

## Funciones y especificaciones

### AC Smart 5

AC Smart 5 es un controlador central que puede administrar de forma individual o en grupos un máximo de 128 unidades en un espacio.

AC Smart 5 puede vigilar o controlar las unidades instaladas en cada sala de un edificio desde un lugar como la oficina de administración del edificio o la oficina de administración de un colegio.

#### [AC Smart 5 - Funciones]

- Funciones del servidor web
- Dispositivos que pueden conectarse

#### [AC Smart 5 - Componentes]

- Componentes

#### [Nombre de cada pieza del AC Smart 5]

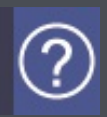
- Nombre de cada componente

#### [AC Smart 5 - Especificaciones del hardware]

- Especificaciones del hardware

### ADVERTENCIA

Este equipo es compatible con la Clase A de la norma CISPR 32. En un ambiente residencial, este equipo puede causar interferencias electromagnéticas.



### Funciones del servidor web

Sin necesidad de instalar un programa diferente, puede utilizar el navegador web para introducir la dirección IP del AC Smart 5 en la ventana de direcciones y acceder al servidor web del AC Smart 5 para controlar y vigilar el dispositivo.

- Control de hasta 128 dispositivos de aire acondicionado
- Seguimiento del estado operativo y errores
- Control de alimentación pico/demanda
- Función de configuración del sistema



## Dispositivos que pueden conectarse

Los dispositivos de AC Smart 5 que se pueden conectar son los siguientes.

Dispositivo	AC Smart 5
AC Ez(Touch)	o
Controlador central simple	o
AC Manager 5	o
Co-Aire acondicionado	o
ERV	o
Heating	o
AHU	o
Enfriadora	o
EXP. I/O	o
Purificador de aire	o



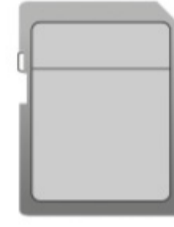
## Componentes

Los componentes de la imagen a continuación se incluyen en la caja de embalaje del AC Smart 5.

Abra la caja de embalaje y compruebe si están incluidos todos los componentes correspondientes.



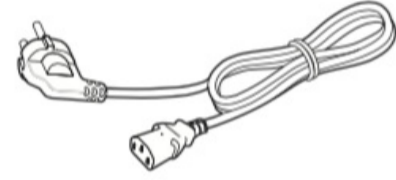
AC Smart 5



Tarjeta SD de 8 GB



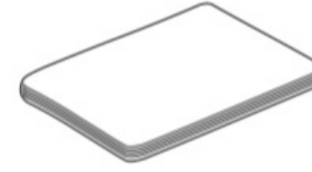
Tornillo



Cable de corriente



Adaptador de corriente



Guía

## Nota

Componentes u opciones pueden diferir de la imagen real del producto.

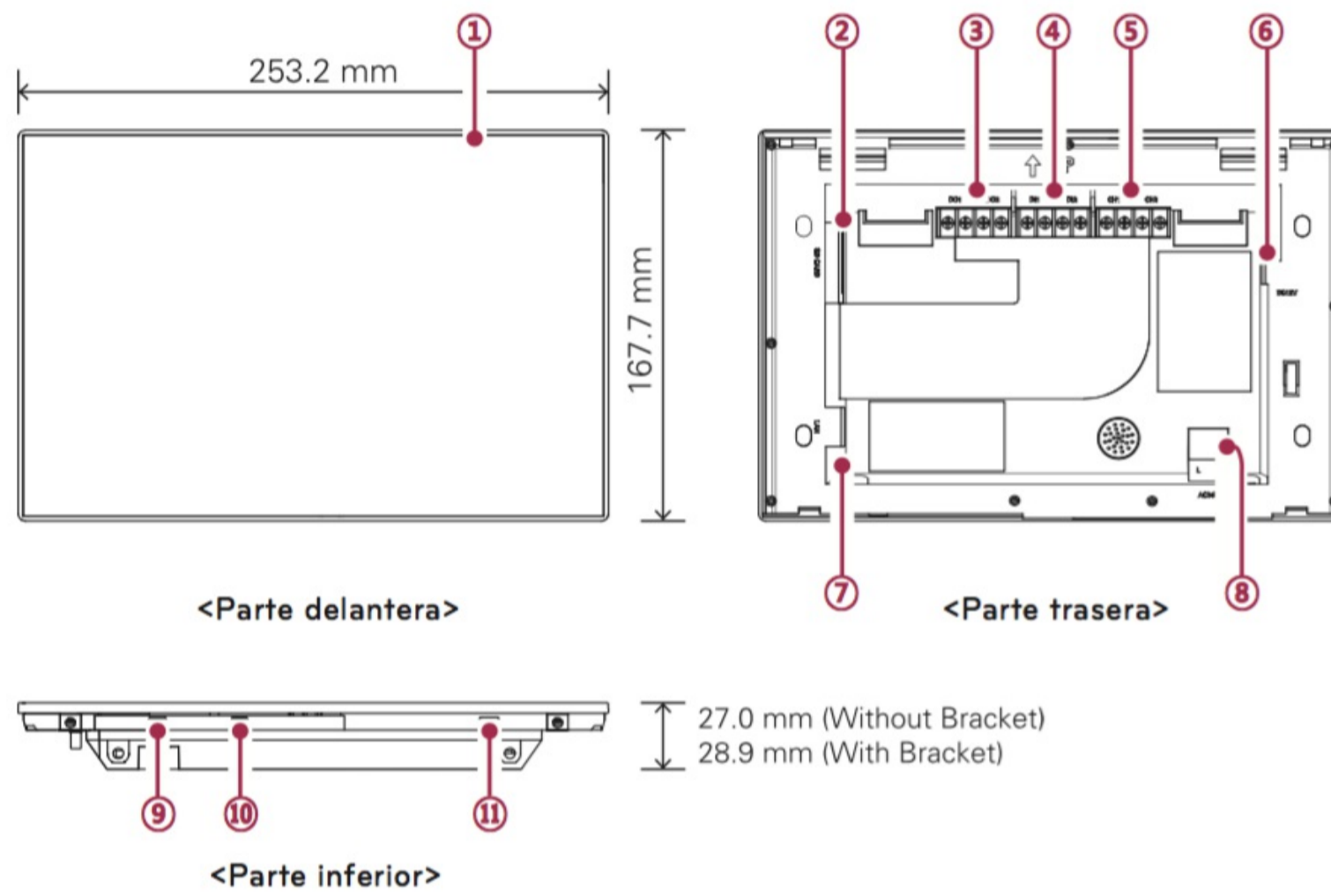
## Precaución

La tarjeta SD proporcionada por nuestra empresa es para respaldo y restauración de datos cuando el servicio es provisto por un ingeniero de servicio calificado. No lo use para otro propósito.



## Nombre de cada componente

El AC Smart 5 está compuesto por las siguientes piezas.



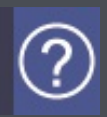
Nº	Categoría	Contenidos
①	Pantalla táctil	<ul style="list-style-type: none"> <li>Panel de control LCD tipo 10 pulgadas</li> <li>Pantalla de control e información de AC Smart 5</li> </ul>
②	Ranura de memoria SD	Ranura de memoria SD
③	Puerto DO	Puerto DO de 2 canales
④	Puerto DI	Puerto DI de 2 canales
⑤	Puerto RS-485	Puerto 485 de dos canales (CANAL 1: AHU, CANAL 2: dispositivos diferentes a AHU) <ul style="list-style-type: none"> <li>Configuración predeterminada del CANAL 1: LGAP_AHU / CANAL 2: LGAP I</li> <li>Para cambiar la configuración predeterminada, consulte los contenidos de "Configuración del dispositivo - Edición AC Smart 5" en el manual del usuario que se proporciona en la categoría [Ayuda].</li> </ul>
⑥	12 V  Puerto de entrada	12 V  Puerto de entrada de alimentación
⑦	Puerto LAN	Puerto de cable LAN para conexión Ethernet (100Mbps/10Mbps)
⑧	Puerto de entrada 24 V~	Puerto de entrada de alimentación 24 V~
⑨	Puerto micro USB (para servicio)	Puerto para actualización de software y almacenar planos de plantas, informes, estadísticas, etc. (Se necesita cable para conectar pendrives USB, compatibles o USB 2.0 o posterior)
⑩	Puerto mini USB	Puerto PC para software de depuración
⑪	Encendido/apagado	<ul style="list-style-type: none"> <li>Si presiona durante menos de 9 segundos, activa el control de retroiluminación de la pantalla LCD de AC Smart 5</li> <li>Mantener pulsado durante 10 segundos o más para restablecer AC Smart 5.</li> <li>Si no va a utilizar AC Smart 5 durante un periodo de tiempo prolongado, le recomendamos que apague el producto para prolongar la vida útil de la retroiluminación del panel LCD.</li> </ul>



## Especificaciones del hardware

Las especificaciones del hardware del AC Smart 5 son las siguientes:

Categoría	Contenidos
CPU	<ul style="list-style-type: none"><li>• ARM Cortex A9 1 GHz</li><li>• Doble núcleo</li></ul>
MEMORY	2 GB
Almacenamiento	16 GB
LCD	10 pulgadas tipo (1024 x 600) TFT LCD
Altavoz	Mono
RS-485	2 puertos
USB/SD	<ul style="list-style-type: none"><li>• Micro USB 1EA (para conexión de la memoria USB externa, para mantenimiento)</li><li>• Mini USB 1EA</li><li>• SD Card 1EA</li></ul>
Ethernet	10 / 100 BASE-T
DI	2 puertos
DO	2 puertos
Pantalla táctil	Panel táctil tipo C
Botón clave	Menos de 9 segundos (encendido/apagado de la pantalla LCD), 10 segundos (restablecimiento del sistema)
PODER	12 V (3,33 A), 24 V~
Temperatura de funcionamiento	0 °C ~ 40 °C
Clase de protección	IP20



## Instalación y ajustes

Describe el método de configuración e instalación.

### [Orden de instalación]

- ➔ Orden de instalación del AC Smart 5

### [Conecte al AC Smart 5]

- ➔ Conecte al AC Smart 5



### Orden de instalación

Para utilizar AC Smart 5, necesita establecer un entorno para la comunicación mutua entre AC Smart 5 y los dispositivos (unidad interior, ERV, DI / DO, DOKIT, Heating, AHU, módulo de E/S) y registrar los dispositivos correspondientes a través de las funciones de AC Smart 5.

Para utilizar el AC Smart 5, debería de instalarlo en el orden indicado a continuación.

#### STEP 1. Inspección del entorno de instalación y configuración de la dirección del dispositivo

Antes de instalar AC Smart 5, verifique la composición de la red con los dispositivos de interfaz y asigne direcciones no superpuestas a los dispositivos conectados.

#### STEP 2. Configuración PI485

Instale PI485 y configure el interruptor DIP.

#### STEP 3. Conexión de PI485 y AC Smart 5

Conecte PI485 y AC Smart 5 mediante el cable RS-485.

#### STEP 4. Inicio de sesión y registro del dispositivo

Inicie sesión en AC Smart 5 y registre el dispositivo con el conjunto de direcciones.

### PRECAUCIÓN

La instalación del AC Smart 5 debe realizarla un profesional. Asegúrese de solicitar la instalación a un ingeniero cualificado. Si tiene algún tipo de pregunta o solicitud relativa al proceso de instalación, póngase en contacto con un instalador profesional de un centro de servicio LG autorizado o con LG Electronics.

### NOTA

Número máximo de nodos que pueden conectarse a la línea de comunicaciones RS485.

- Multi V

Pueden conectarse un máximo 16 nodos a 1 línea RS485.

- Multi/Single

Pueden conectarse un máximo 32 nodos a 1 línea RS485.

- ERV

Pueden conectarse un máximo 32 nodos a 1 línea RS485.

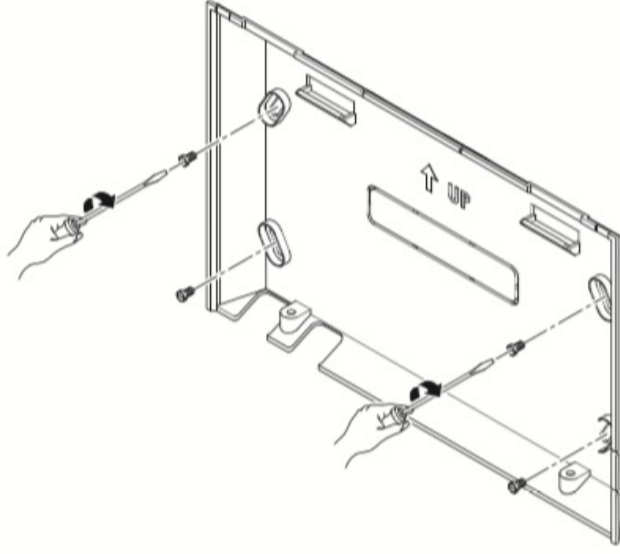
## Conecte al AC Smart 5

Puede instalar AC Smart 5 y sus cables de la forma siguiente.

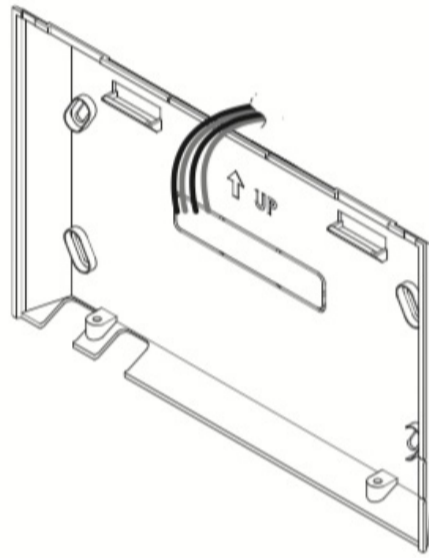
1. Elija el lugar de instalación de AC Smart 5.

- Antes de fijar el AC Smart 5, asegúrese de que el espacio resulta apto para instalar AC Smart 5, un cable RS485, un cable de alimentación y un cable UTP.

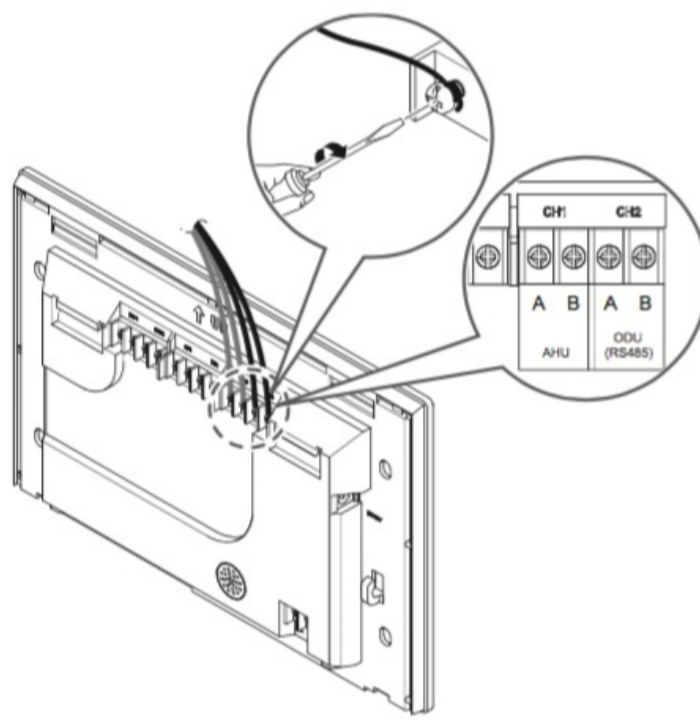
2. Fije el panel trasero del AC Smart 5 a la pared en la que se encuentra el cable RS485.



3. Despliegue el cable RS485 desde la parte superior del panel trasero.



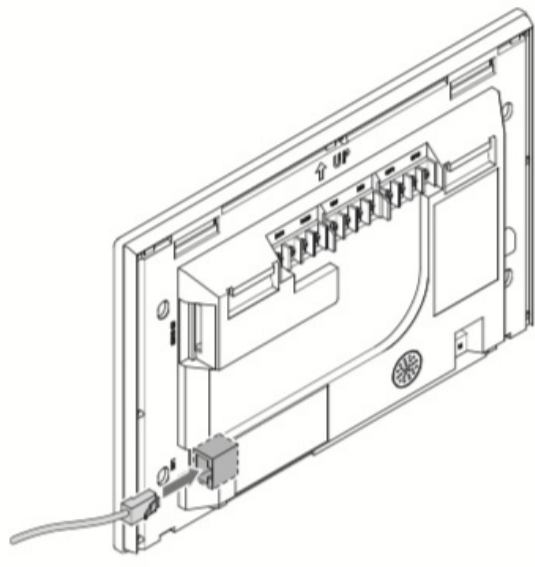
4. Conecte el cable RS485, situado detrás de AC Smart 5, al terminal RS485. the AC Smart 5, to the RS485 terminal.



### PRECAUCIÓN

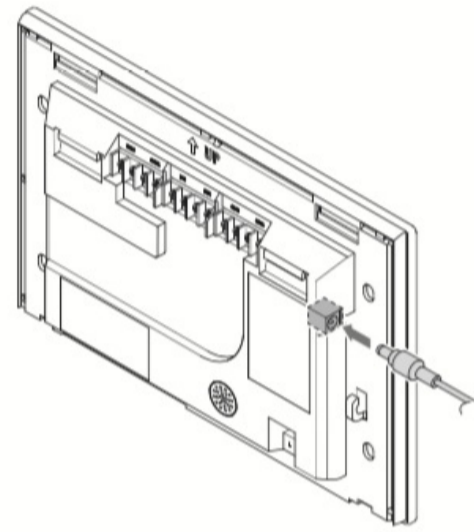
El cable RS485 tiene polaridad, por lo que deberá respetar la polaridad a la hora de realizar la conexión de los cables.

5. Para poder usar las funciones de red (transmisión de correos electrónicos y control web) proporcionadas por AC Smart 5 deberá conectar un cable UTP al puerto LAN situado en la parte trasera del AC Smart 5.



6. Conecte la alimentación.

- Para los modelos globales.
- En la parte trasera de AC Smart 5, conecte el adaptador de alimentación al conector de alimentación.

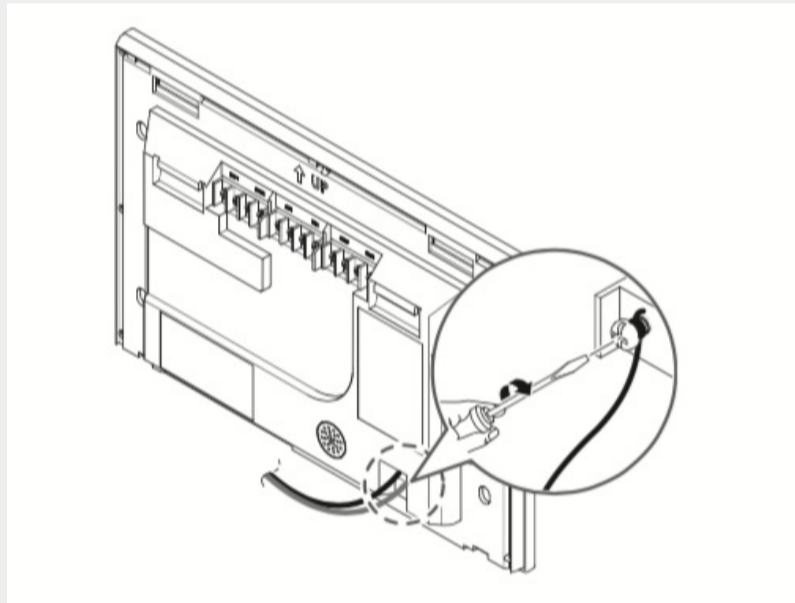


El adaptador no se incluye con el paquete AC Smart 5 comercializado en los Estados Unidos.

#### NOTA

Puede colgar el cable de alimentación del gancho de suspensión situado debajo del conector de alimentación.

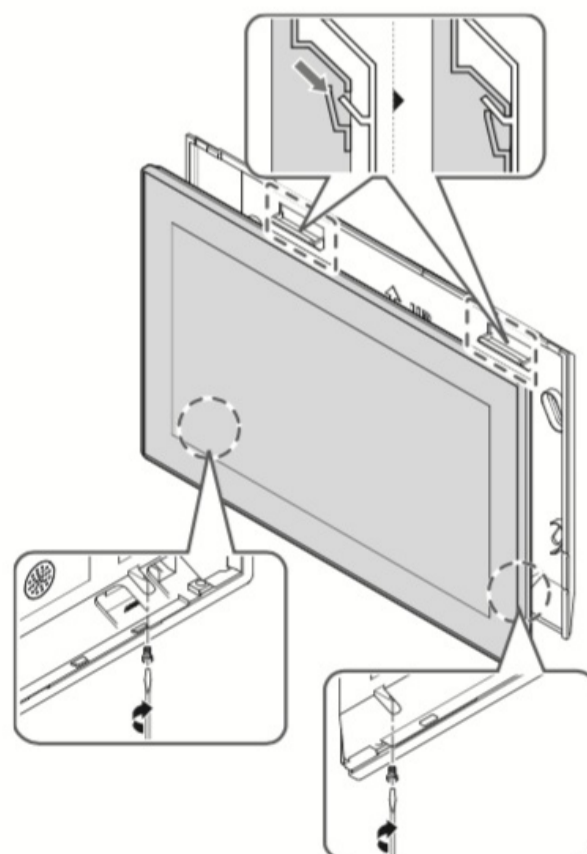
- Para los modelos US
- En la parte inferior de AC Smart 5, conecte el cable de alimentación al conector de alimentación.



#### NOTA

En algunos países, a excepción de los Estados Unidos, podrá conectar la alimentación de DC 12 V al AC Smart 5 utilizando el adaptador incluido. En caso de ser necesario, conecte la alimentación de AC 24 V al AC Smart 5.

7. Tras fijar en gancho de la parte superior del cuerpo principal a la parte superior del panel trasero instalado en la pared, empuje hacia delante la parte superior del cuerpo principal hasta que se active la señal HOOK (GANCHO).



## PRECAUCIÓN

Atornille 2 puntos desde la parte inferior de la unidad para evitar caídas.

## NOTA

Descomposición del producto

Tras separar los dos tornillos de la parte inferior del cuerpo, tire ligeramente del mismo con la ayuda de un destornillador plano y eleve el cuerpo para desmontar el producto.



### Uso (PC)

- Registro/Salir
- Cuenta
- Panel de control
- Supervisión de partículas en suspensión en interiores

### [Control]

- Control de dispositivo
- Control de programación
- Interbloqueo
- Control del límite de tiempo
- Hotelera solución (BACnet)

### [Energía]

- Uso energético
- Navegación de energía
- Control de pico
- Coste de la unidad de energía

### [Historial]

- Historial de funcionamiento
- Historial de navegación de energía
- Tendencia de funcionamiento
- Ciclo

### [Ajustes]

- Configuración del dispositivo
- Ajustes del grupo
- Ajustes del sistema
- Ajustes de la red
- Configuración de notificaciones
- Ajustes del administrador
- Ajustes de usuario adicional
- Pantalla de ajuste
- Adelantar el ajuste
- TMS ajuste
- Ajustes de BACnet/Modbus
- Configurar supervisión de partículas en suspensión.

### Nota

- AC Smart 5 puede tener diferentes funciones en la web y dispositivos.



Puede acceder al producto con la dirección IP en la ventana de direcciones de Internet y usar las diferentes funciones de control central.

### Nota

- Se recomienda utilizar los navegadores Chrome para el control web.
- Para acceder a la web, es necesario establecer la dirección IP.
- En el momento del primer acceso, debe establecer la contraseña de la cuenta de administrador.
- Cada 90 días, aparecerá una ventana emergente que le pedirá cambiar la contraseña. Para proteger la información personal y utilizar el servicio de forma segura le recomendamos cambiar la contraseña periódicamente.

### Registro

Inicie sesión con el siguiente método.

1. Introduzca la dirección IP del producto en la ventana de direcciones de Internet.
2. Introduzca la ID y contraseña en la ventana de inicio de sesión y haga clic en el botón **[Registro]**.

### Salir

Cierre sesión con el siguiente método.

1. En el menú, haga clic en **[Cuenta]**.
2. En la ventana de información de la cuenta, haga clic en el botón **[Salir]**.

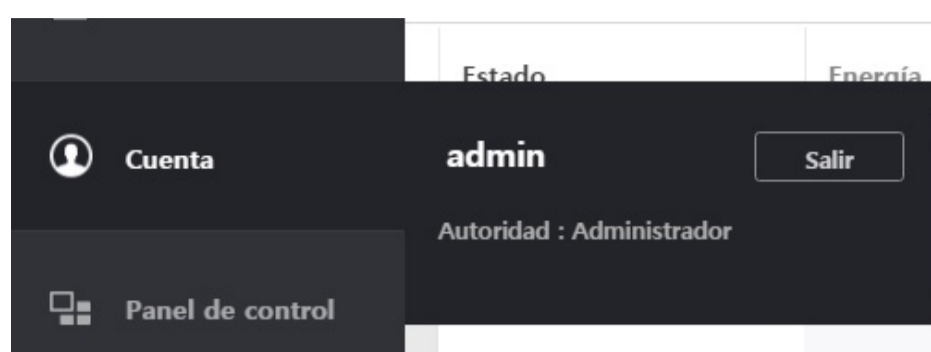
### Inicio de sesión automático

Si marca la opción Inicio de sesión automático, se mantendrá la sesión iniciada hasta que elimine las cookies del navegador o cierre sesión.

- El inicio de sesión automático se desactiva cuando cierra sesión.
- Si utiliza Internet con el modo de navegación privada que ofrecen algunos navegadores, no podrá utilizar esta opción porque no se guardan las cookies.
- La pantalla LCD no incluye la función de inicio de sesión automático.

## Cuenta

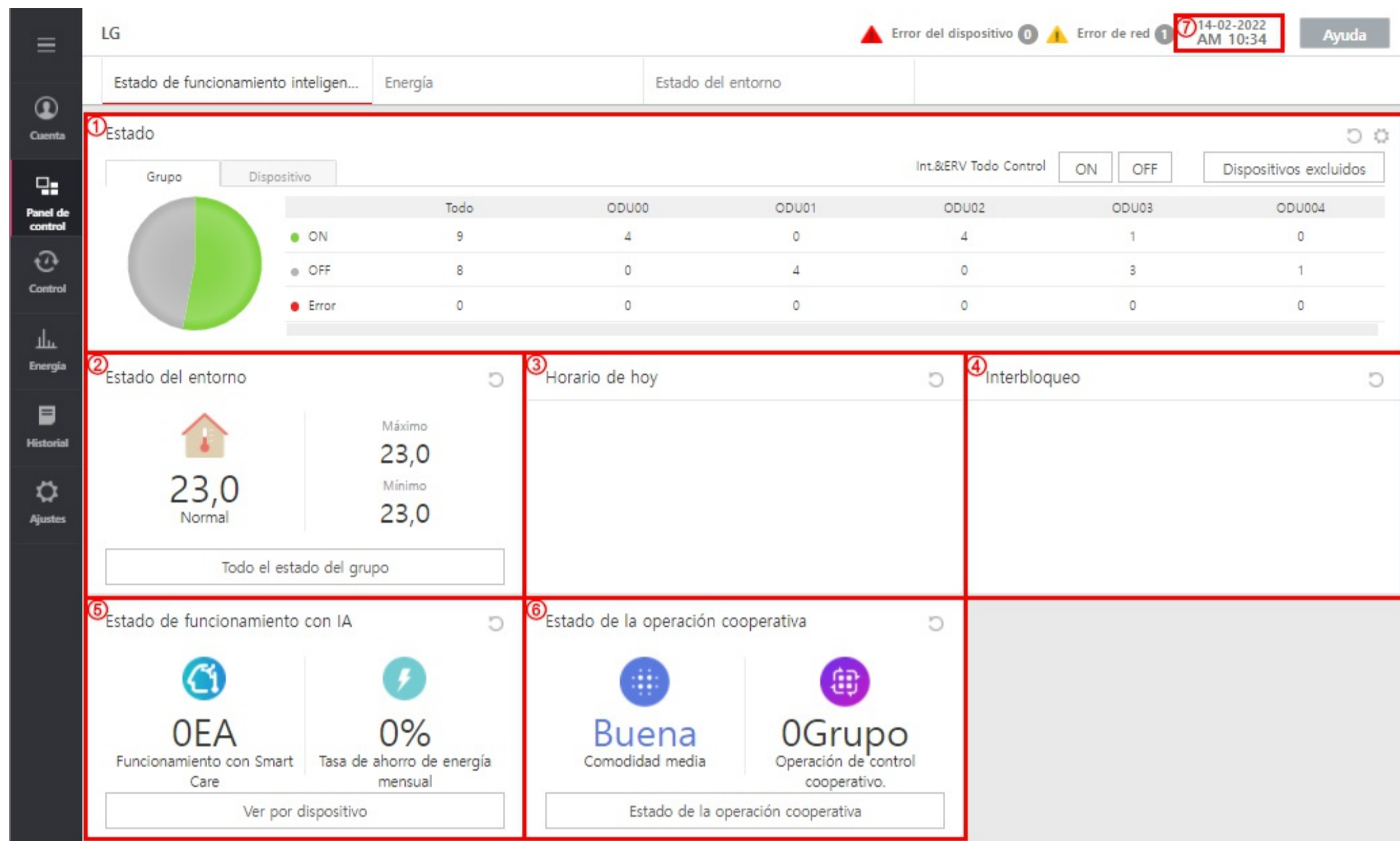
Puede verificar la información de la cuenta en la que ha iniciado sesión en la actualidad.



Puede comprobar el estado de funcionamiento actual y la tendencia de uso de electricidad del equipo instalado en el producto.

## Estado

Describe la composición y las funciones de la pestaña de estado de funcionamiento actual en el panel de control.



Nº	Categoría	Contenidos
①	Estado	<p>Compruebe el estado de funcionamiento (ON/OFF/Error) de los equipos instalados en el producto.</p> <p>[Grupo]</p> <ul style="list-style-type: none"> <li>• Comprobación del estado de funcionamiento de cada grupo de administración designado por el usuario</li> </ul> <p>[Dispositivo]</p> <ul style="list-style-type: none"> <li>• Compruebe el estado de funcionamiento de cada dispositivo designado por el usuario</li> </ul> <p>Todas las unidades interiores y ERV control de ENCENDIDO/APAGADO.</p> <ul style="list-style-type: none"> <li>• Todas las unidades interiores y ERV control de ENCENDIDO/APAGADO.</li> <li>• Cuando se registra un dispositivo de excepción, dicho dispositivo se excluye del control general</li> </ul>
②	Estado del entorno	Comprobación de la temperatura promedio en el interior, Máx/Mín. temperatura interior y grupo
③	Horario de hoy	Comprobación de la lista de programación de hoy
④	Interbloqueo	Comprobación de la lista de Interbloqueo
⑤	Estado de funcionamiento con IA	<p>Compruebe el número de dispositivos que ejecutan Smart Care y las tasas de ahorro de energía mensual.</p> <ul style="list-style-type: none"> <li>• Haga clic en Ver por dispositivo para ver el número de unidades exteriores que ejecutan Smart Care y la tasa de ahorro de energía mensual de cada dispositivo.</li> </ul>
⑥	Estado de la operación cooperativa	<p>Uso del widget de control cooperativo</p> <ul style="list-style-type: none"> <li>• Comodidad media</li> <li>• Operación de control cooperativo</li> <li>• Estado de la operación cooperativa</li> </ul>
⑦	Visualización de hora/fecha	Ver la hora y la fecha del dispositivo

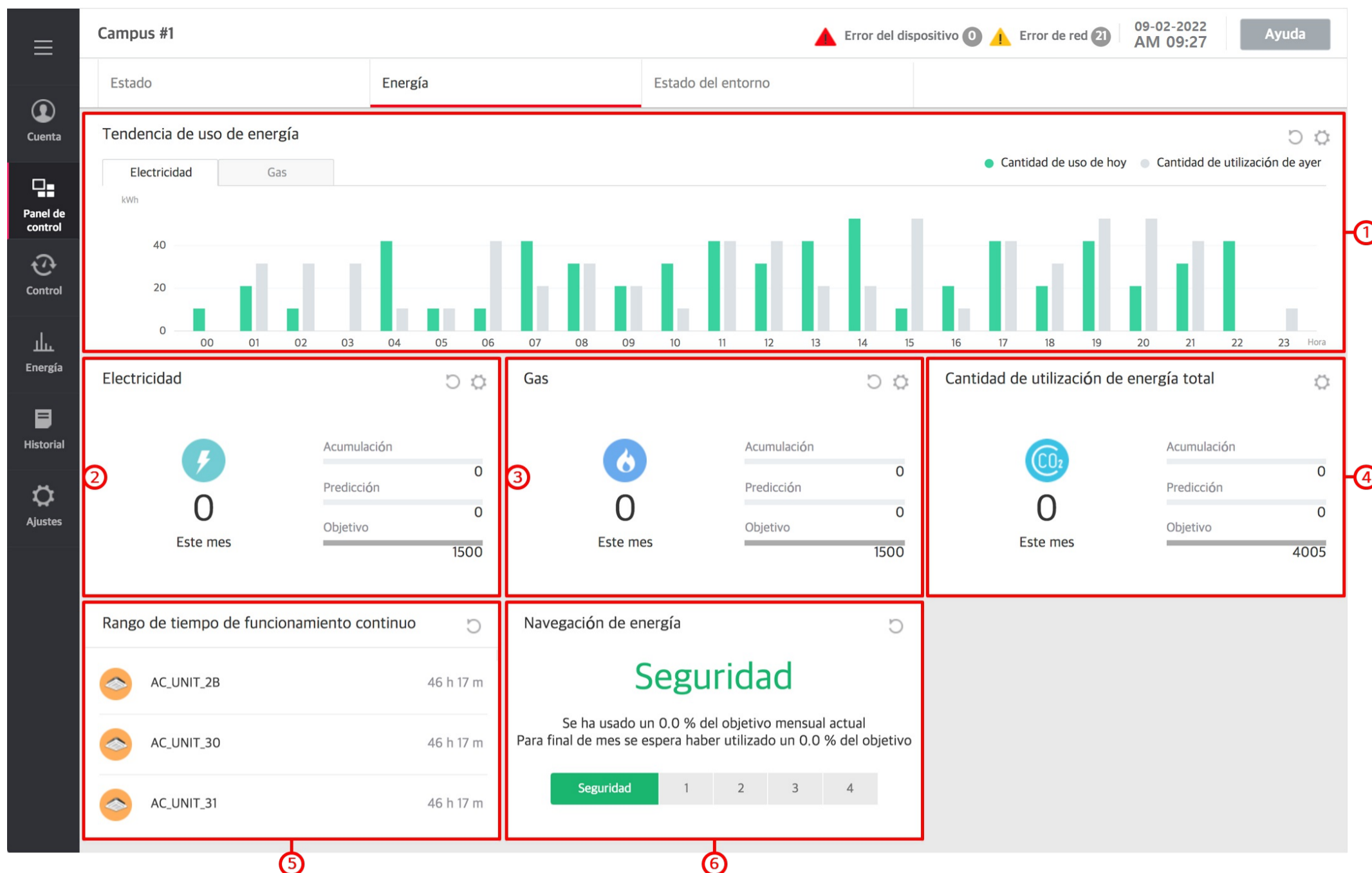
### [Configuración de widgets]

Puede seleccionar la configuración de cada widget en el panel de control.

➔ Widget de Estado

## Energía

Describe la composición y las funciones de la pestaña de energía en el panel de control.



Nº	Categoría	Contenidos
①	Tendencia de uso de energía	Comprobación de la tendencia de uso diario/mensual y anual de electricidad y gas Las tendencias de uso de energía mensuales/anuales incluyen datos hasta la fecha anterior.
②	Electricidad	Comprobación del total de uso de electricidad, pronóstico y objetivos
③	Gas	Comprobación del total de uso de gas, pronóstico y objetivos
④	Cantidad de utilización de energía total	Comprobación del total de uso de energía total, pronóstico y objetivos
⑤	Rango de tiempo de funcionamiento continuo	Compruebe el intervalo de tiempo de funcionamiento continuo de la unidad interior
⑥	Navegación de energía	Verifique el estado de navegación de la energía

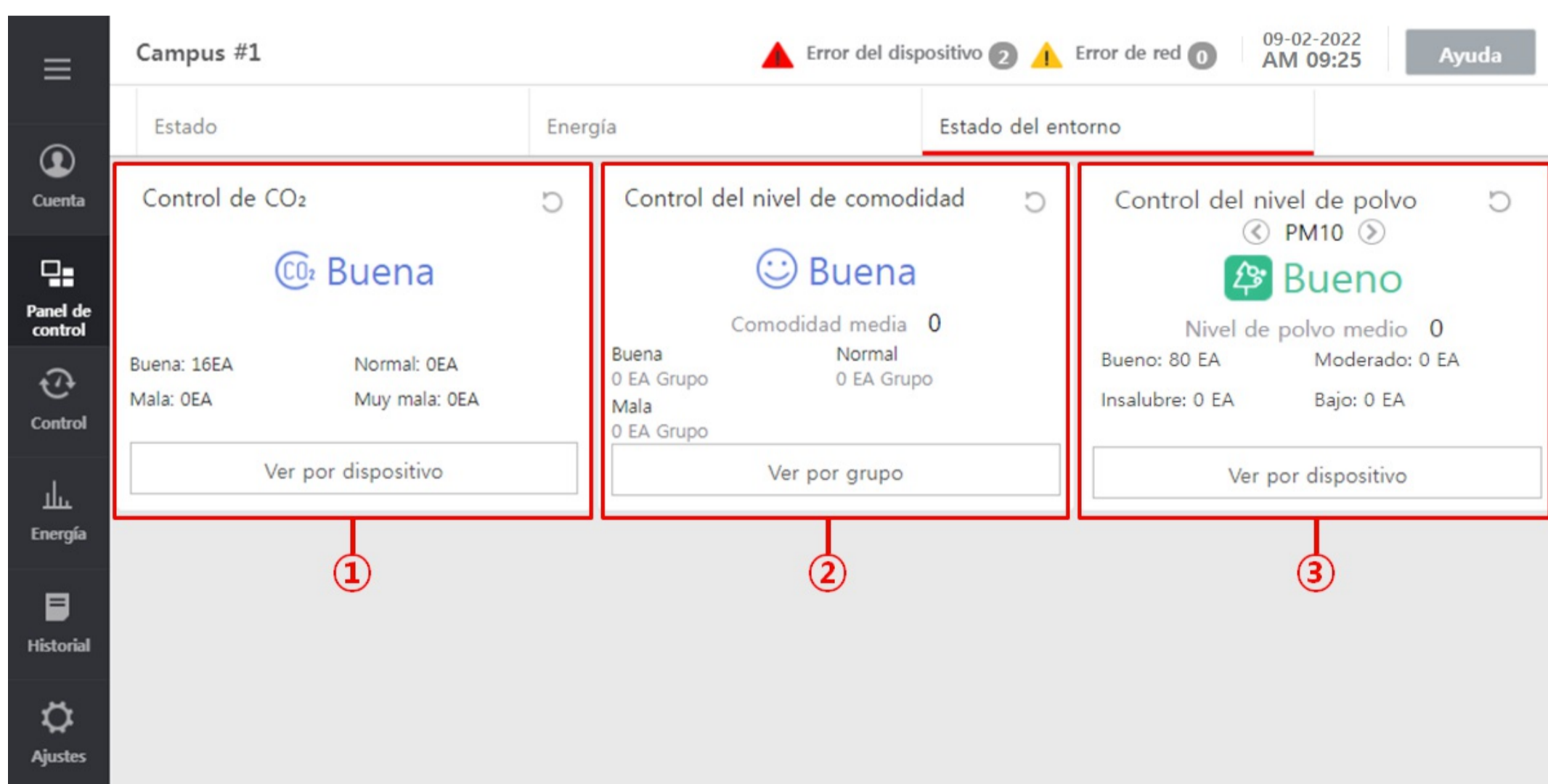
### [Configuración de widgets]

Puede seleccionar la configuración de cada widget en el panel de control.

- ➔ Widget de Tendencia de uso de energía
- ➔ Widget de Electricidad
- ➔ Widget de Gas
- ➔ Widget de Cantidad de utilización de energía total

### Estado del entorno


Describe la composición y las funciones de la pestaña de estado del entorno del panel de control



Nº	Categoría	Contenidos
①	Control de CO <sub>2</sub>	Verifique el estado de CO <sub>2</sub> de la ERV registrada
②	Control del nivel de comodidad	Verifique el estado de comodidad proporcionado por la unidad interior registrada
③	Control de polvo fino	Verifique el estado de polvo fino de la unidad interior registrada, Purificador de aire El polvo fino se clasifica en PM10, PM2.5 y PM1.0, e indica cada estado y concentración

## Widget de Estado

Puede configurar el grupo para supervisar el estado de funcionamiento.


1. En la pestaña de menú de la izquierda, haga clic en **[Panel de control] > [Estado]**.
  - Se muestra la pantalla de estado operativo actual.
2. Haga clic en el botón de la pantalla  de estado operativo actual.
  - Se muestra la pantalla de configuración del widget.

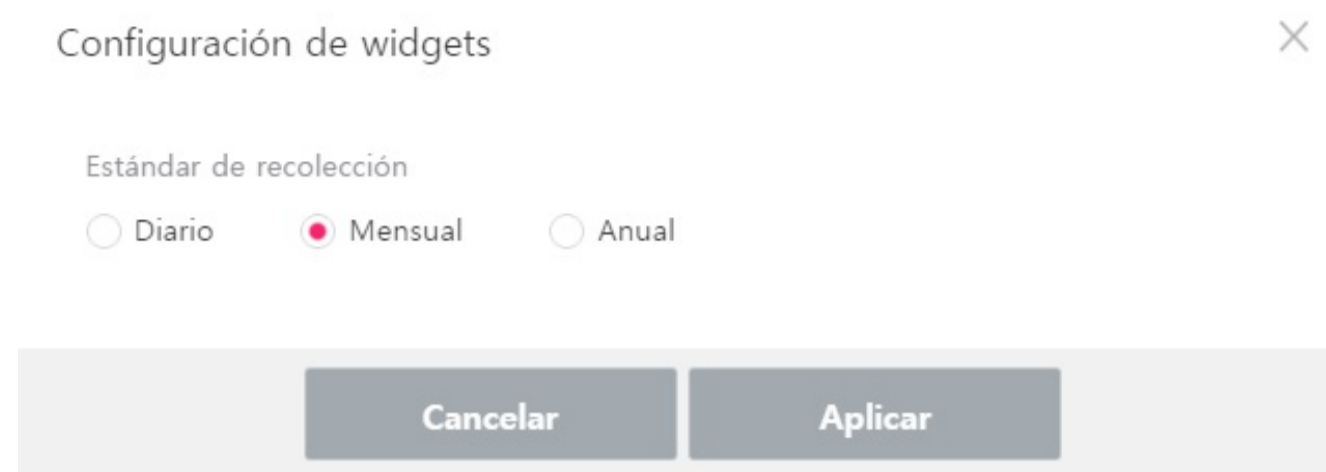


3. Seleccione el grupo para supervisar el estado de funcionamiento.
4. Una vez realizada la selección, haga clic en el botón **[Aplicar]**.

## Widget de Tendencia de uso de energía

Puede seleccionar el estándar para la recopilación de control de tendencias de uso de energía.


1. En la pestaña de menú de la izquierda, haga clic en **[Panel de control] > [Energía]**.
  - Se muestra la pantalla de energía.
2. Haga clic en la pantalla de tendencias de utilización de energía  de estado operativo actual.
  - Se muestra la pantalla de configuración del widget.

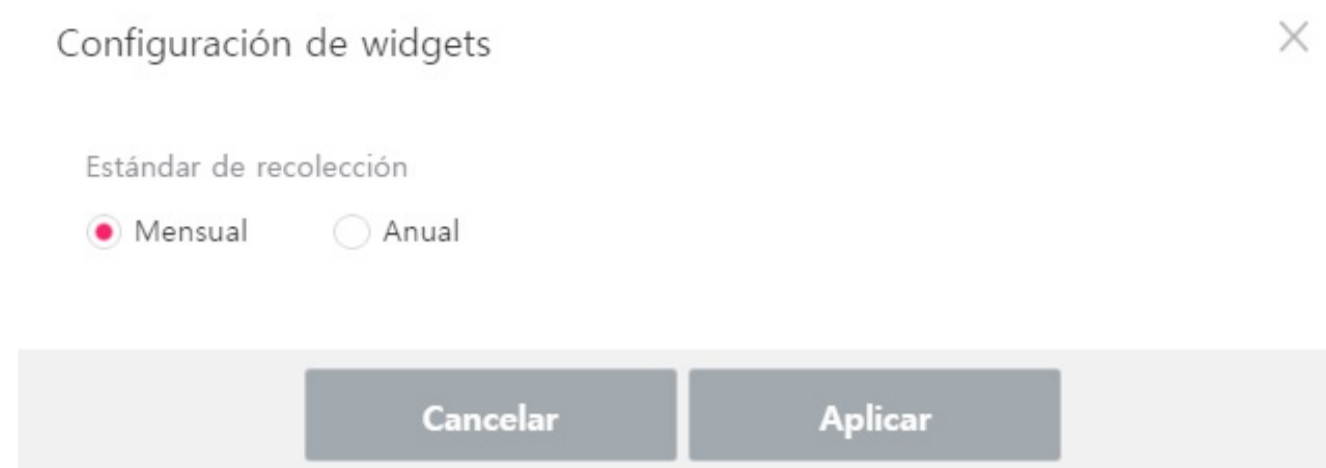


3. Seleccione el estándar de recopilación(**Diario/Mensual/Anual**).
4. Una vez realizada la selección, haga clic en el botón **[Aplicar]**.

## Widget de Electricidad

Puede seleccionar el estándar para la norma de recopilación de cantidad de utilización de electricidad.


1. En la pestaña de menú de la izquierda, haga clic en **[Panel de control] > [Energía]**.
  - Se muestra la pantalla de energía.
2. Haga clic en la pantalla de tendencias de utilización de electricidad  de estado operativo actual.
  - Se muestra la pantalla de configuración del widget.

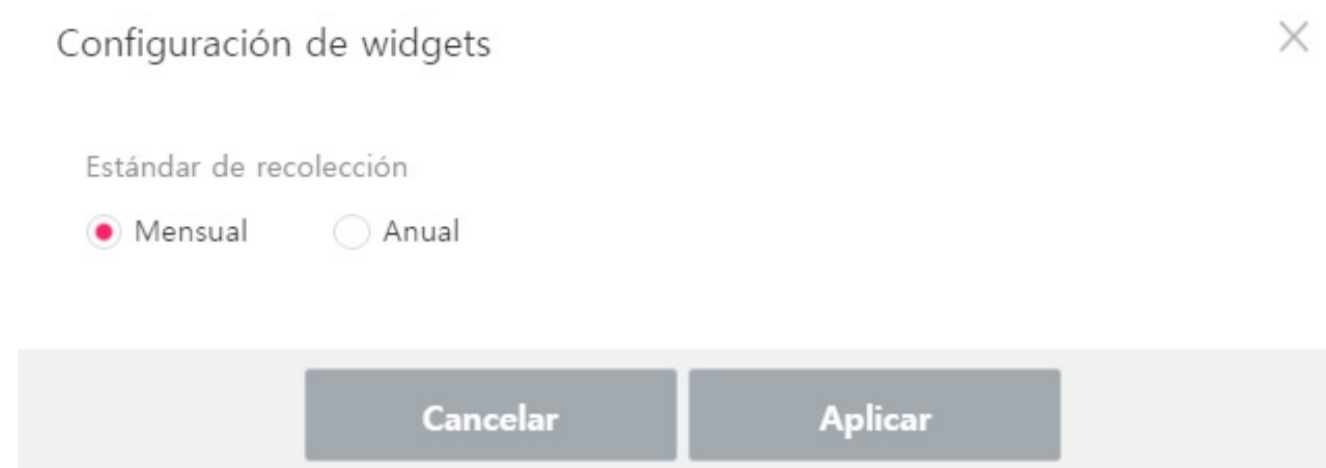


3. Seleccione el estándar de recopilación (**Mensual/Anual**).
4. Una vez realizada la selección, haga clic en el botón **[Aplicar]**.

## Widget de Gas

Puede seleccionar el estándar para recopilación de cantidad de utilización de gas.

1. En la pestaña de menú de la izquierda, haga clic en **[Panel de control] > [Energía]**.
  - Se muestra la pantalla de energía.
2. Haga clic en la pantalla de tendencias de utilización de gas  de estado operativo actual.
  - Se muestra la pantalla de configuración del widget.




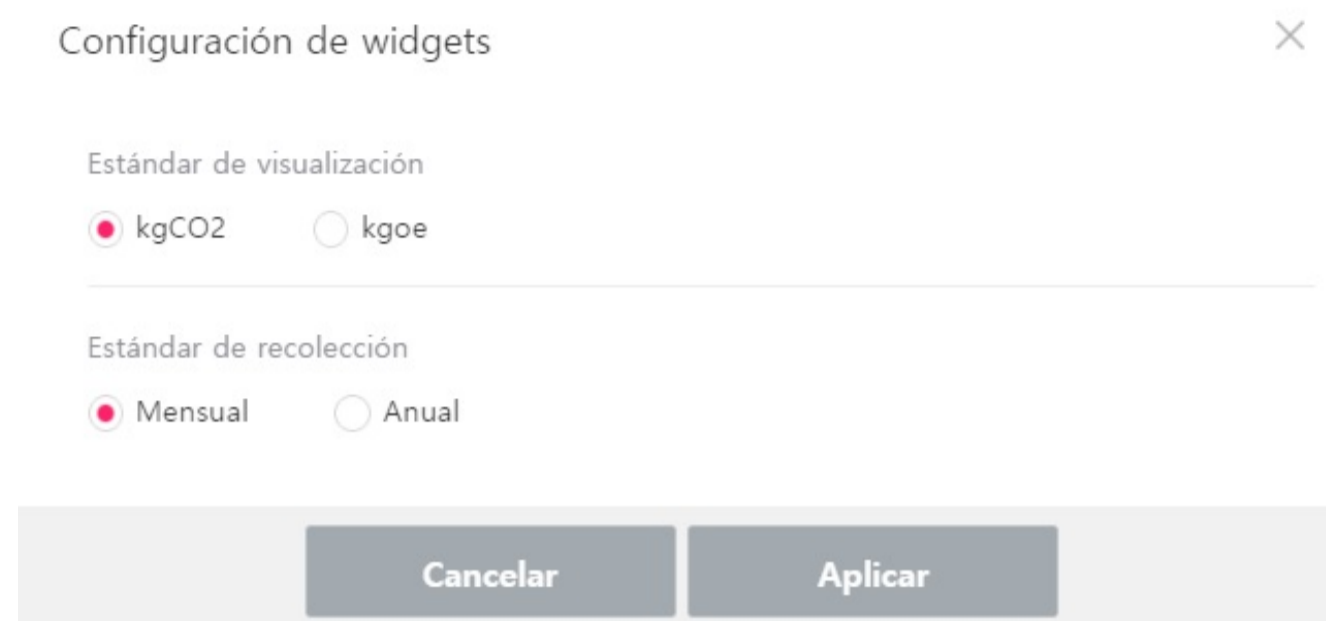
3. Seleccione el estándar de recopilación (**Mensual/Anual**).
4. Una vez realizada la selección, haga clic en el botón **[Aplicar]**.



### Widget de Cantidad de utilización de energía total

Puede seleccionar el estándar de recopilación y visualización para la cantidad de uso de energía total.

1. En la pestaña de menú de la izquierda, haga clic en **[Panel de control] > [Energía]**.
  - Se muestra la pantalla de energía.
2. Haga clic en la pantalla de tendencias de utilización de energía total  de estado operativo actual.
  - Se muestra la pantalla de configuración del widget.



Configuración de widgets ×

Estándar de visualización

kgCO2  kgoe

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Estándar de recolección

Mensual  Anual

**Cancelar** **Aplicar**

3. Seleccione el estándar de visualización (**kgCO<sub>2</sub>/kgoe**) y el estándar de recopilación (**Mensual/Anual**).
4. Una vez realizada la selección, haga clic en el botón **[Aplicar]**.





Campus #1 (16EA)



AC\_UNIT\_00

Estado de gestión de polvo fino en interiores



Bueno

PM10  
Bueno  
10 µg/m³

PM25  
Bueno  
10 µg/m³

PM10  
Bueno  
10 µg/m³

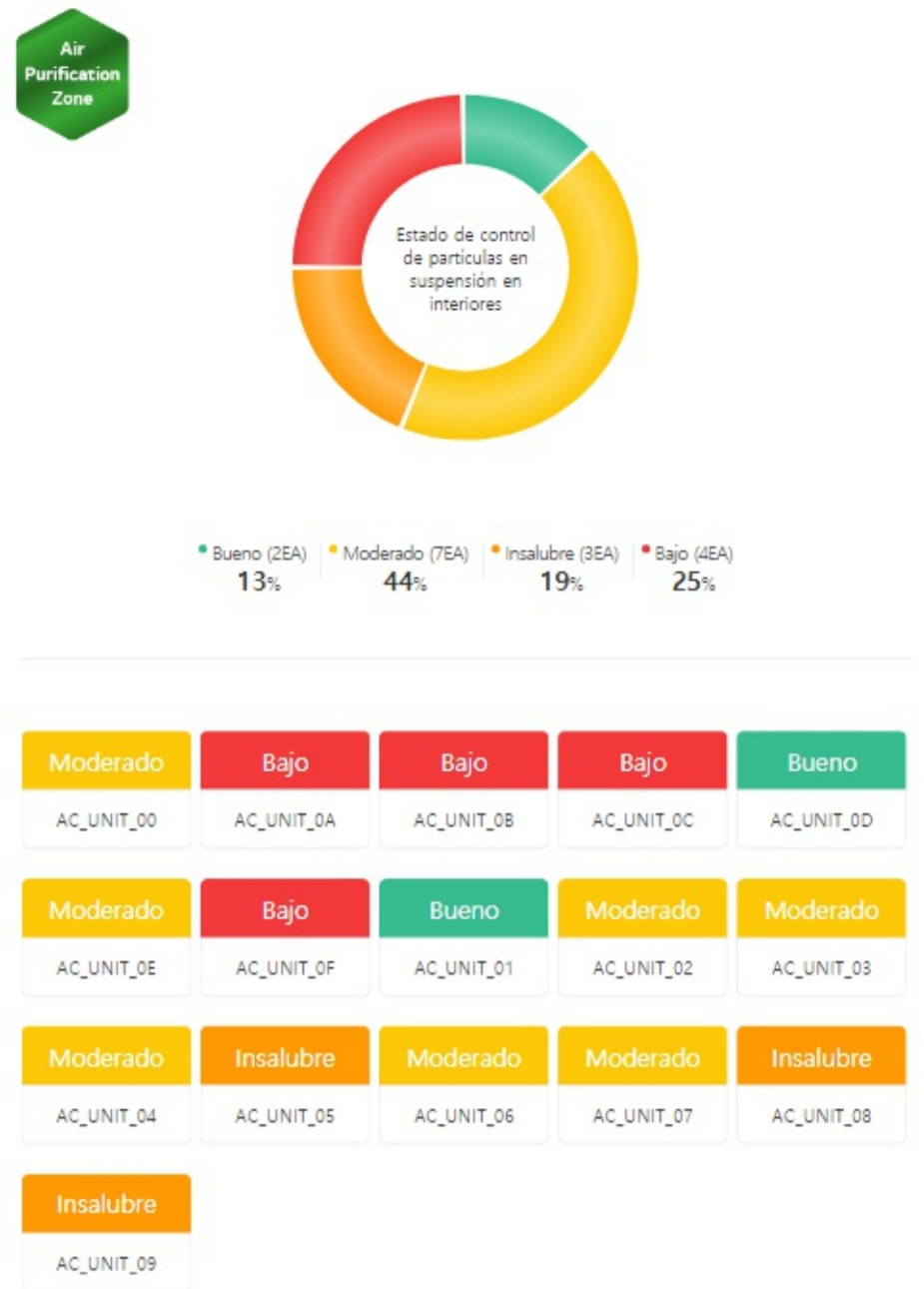
Temperatura 23.0°C | Humedad 0%

Elemento	Descripción
Estado de administración de las partículas en suspensión en interiores	Comprueba el estado de las partículas en suspensión en las unidades y purificadores de aire interiores registrados. Muestra la limpieza total [pm10], las partículas pequeñas en suspensión [pm2.5] y las partículas ultrapequeñas en suspensión [pm1.0]. <ul style="list-style-type: none"> <li>La información sobre el olor solo se muestra en los purificadores de aire, y solo se muestra información sobre el estado.</li> </ul>
Temperatura/humedad	Muestra la temperatura y la humedad actual. <ul style="list-style-type: none"> <li>Solo en unidades interiores</li> </ul>
Zona de administración de partículas en suspensión	Muestra las zonas de control de partículas en suspensión que produce LG Whisen. <ul style="list-style-type: none"> <li>Para configurar los ajustes, vaya a <b>[Ajustes] &gt; [Configurar supervisión de partículas en suspensión]</b>.</li> </ul>
Imagen	Para configurar las imágenes que se van a mostrar, vaya a <b>[Ajustes] &gt; [Configurar supervisión de partículas en suspensión]</b> . <ul style="list-style-type: none"> <li>Puede definir hasta 10 imágenes.</li> </ul>

## Supervisión de grupos

A continuación, se describen las opciones y funciones de la supervisión de grupos.



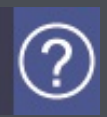


Elemento	Descripción
Estadísticas del estado de control de partículas en suspensión en interiores	Muestra datos estadísticos de la limpieza total del grupo en un gráfico circular e información en cada elemento.
Limpieza total por dispositivo	Muestra la limpieza total de cada dispositivo del grupo.
Zona de administración de partículas en suspensión	Muestra las zonas de control de partículas en suspensión que produce LG Whisen. <ul style="list-style-type: none"> <li>Para configurar los ajustes, vaya a <b>[Ajustes] &gt; [Configurar supervisión de partículas en suspensión]</b>.</li> </ul>

## Cancelar la supervisión de partículas en suspensión en interiores.

A continuación, se describe cómo cancelar la supervisión de partículas en suspensión en interiores.

- Coloque el cursor del ratón en la parte superior de la pantalla.
  - El botón (⊗) aparecerá en la parte superior de la pantalla.
- Haga clic en el botón ⊗.
  - Se le redirigirá a la lista de supervisión de partículas en suspensión en interiores.



## Control de dispositivo

Describe el método para controlar el dispositivo y para supervisar el estado del dispositivo.

### [Pantalla e Icono]

- Estructura y funciones de la pantalla
- Icono del dispositivo

### [Ventana de control]

- Control de cada dispositivo
- Información del dispositivo

### [Control/Vigilancia]

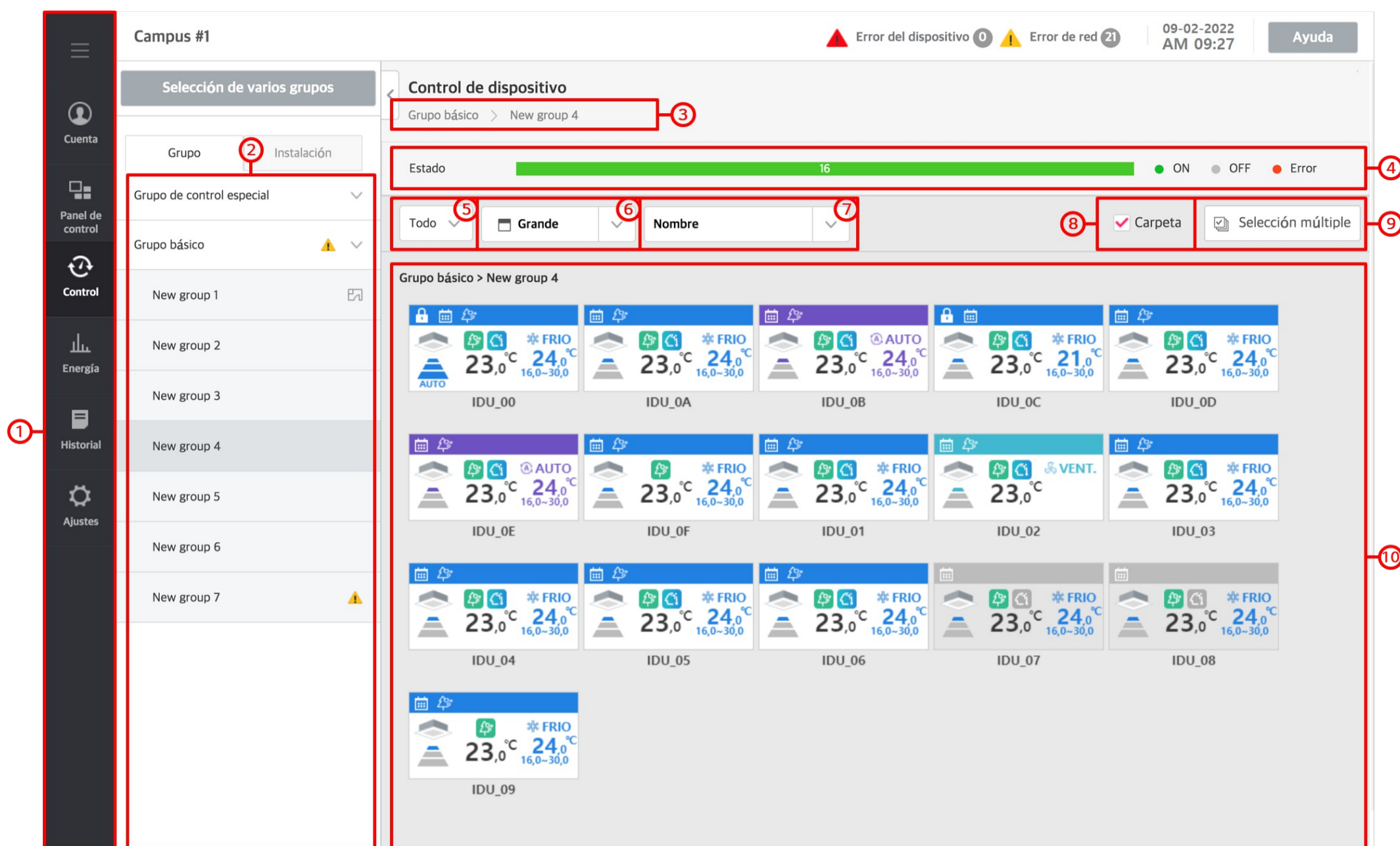
- Control
- Vigilancia

### [Plano]

- Editar plano
- Borrar plano

## Estructura y funciones de la pantalla

- En la pestaña del menú de la izquierda, haga clic en [Control] > [control del dispositivo].
  - Se muestra la pantalla de control del dispositivo.



Nº	Categoría	Contenidos
①	Menú principal	Pestaña del menú principal
②	Lista de grupos	Comprobación del grupo de control
③	Información del grupo	Nombre del grupo y ubicación del grupo
④	Estado	Comprobación del estado de funcionamiento actual de los dispositivos (ON/OFF/Error)
⑤	Filtros	Categoría del dispositivo y filtrado del estado del dispositivo
⑥	Método de visualización	Elija un método de visualización del icono del dispositivo ■ : Grande ■ : Pequeño ☰ : Lista □ : Plano
⑦	Dispositivo de clasificación	Seleccione el método de clasificación del dispositivo <ul style="list-style-type: none"> <li>Nombre</li> <li>Dispositivo/Nombre</li> <li>Dispositivo/Dirección</li> <li>Funcionamiento</li> </ul>
⑧	Ver carpeta	Compruebe la categoría de grupo de nivel inferior del grupo actual cuando realice la comprobación
⑨	Selección múltiple	Cuando se marca, selecciona varios dispositivos
⑩	Sección del dispositivo	Comprobación de la información de los dispositivos establecidos en el grupo

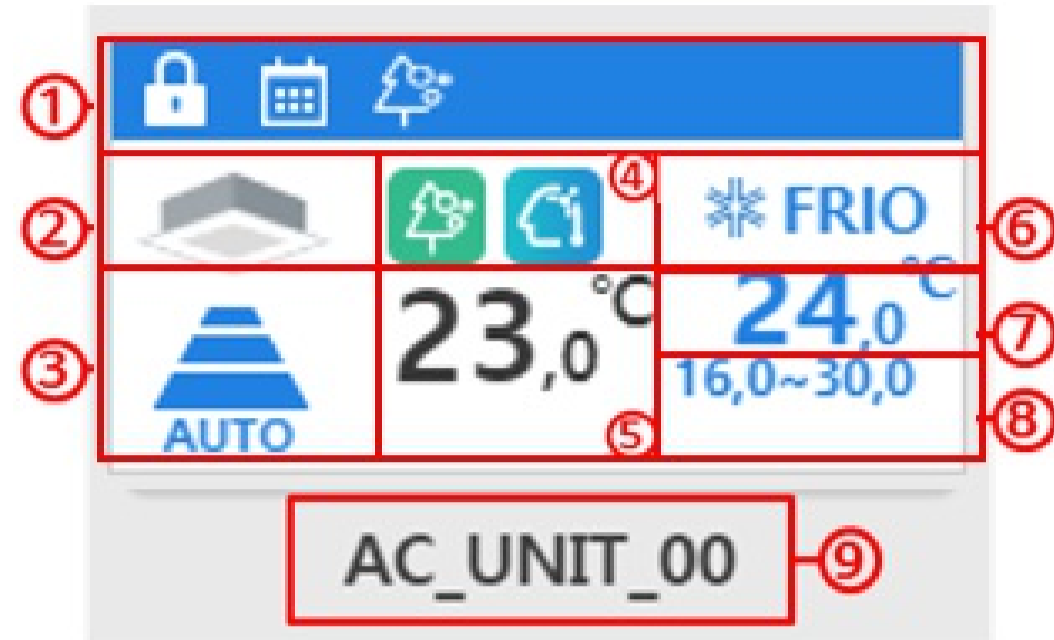
## Grupo de gestión/instalación

- Grupo
  - grupo de gestión utilizado para mayor comodidad
- Instalación
  - Proporciona información sobre el dispositivo conectado en la actualidad

## Icono del dispositivo

Puede comprobar información importante de los dispositivos individuales por medio del icono.

### 1. Icono grande



Nº	Categoría	Contenidos
①	Icono de indicación de estado del dispositivo	Compruebe el icono del indicador de estado del dispositivo
②	Icono del dispositivo	Compruebe el icono del dispositivo
③	Velocidad ventilador	Compruebe la Velocidad ventilador del dispositivo
④	Estado de partículas en suspensión y estado de Smart Care.	Compruebe el estado de las partículas en suspensión y el estado de funcionamiento de Smart Care. Azul (bueno), Verde (normal), Naranja (malo), Rojo (muy malo)
⑤	Temperatura actual	Compruebe la temperatura actual
⑥	Modo	Compruebe el Modo
⑦	Fijar Temperatura	Comprobar la temperatura de ajuste
⑧	Fijar rango Temp.	Compruebe el límite superior/inferior de temperatura
⑨	Nombre del dispositivo	Compruebe el nombre del dispositivo

### Icono de indicación de estado del dispositivo

Icono	Contenidos
	Bloqueo
	Programa
	Ocupado
	Control de pico
	Alarma de sustitución del filtro / Alarma de sustitución del prefiltro / Alarma de sustitución del filtro de polvo fino
	Alarma de sustitución del aceite
	Limpieza de aire
	Sensor de calidad del aire
	Control de ahorro de energía vinculado Multi-V
	UVnano
	Se requiere inspección UVnano LED
	Operación de control cooperativo
	Control de grupo (Esclava)

### 2. Icono pequeño

- Compruebe el icono del dispositivo/estado operativo/Modo/nombre del dispositivo

### 3. Ver lista

- indicación del atributo del dispositivo en el grupo (nombre del dispositivo, estado de funcionamiento, modo de funcionamiento, temperatura actual, temperatura configurada, código de error, dirección ACP, dirección de la unidad exterior, dirección del dispositivo, etc.).

Cuando se selecciona un dispositivo en la sección de dispositivo, se crea una ventana de control en el lateral derecho como se muestra en la siguiente pantalla. Puede controlar el dispositivo seleccionado a través de la ventana de control.

The screenshot displays a web-based control interface for a building management system. The main area shows a grid of 10 AC units, each with a status icon, current temperature (23.0°C), and target temperature (24.0°C). A red box highlights the first unit, AC\_UNIT\_00. To the right, a detailed control panel for AC\_UNIT\_00 is shown, featuring buttons for 'ON' and 'OFF', mode selection (FRIO, CALOR, VENT.), and temperature adjustment sliders for cooling (30.0°C) and heating (18.0°C).

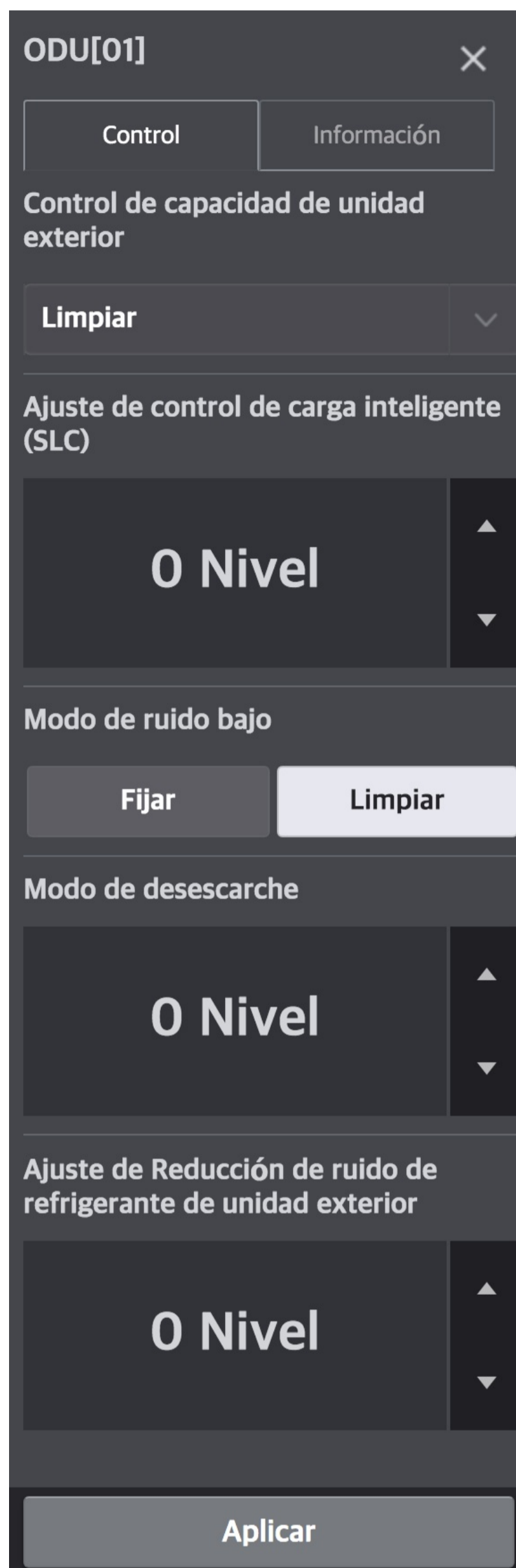
## Nota

- El límite de control de detalle para cada dispositivo puede ser diferente al dispositivo real, así que asegúrese de consultar el manual del dispositivo correspondiente.
- Los dispositivos E/S ACS pueden tener un nombre diferente de herramienta de control, un nombre diferente de la unidad, y diferentes límites superior e inferior dependiendo de la configuración.

## Control de cada dispositivo

- ➔ Unidad exterior
- ➔ Int.  
Unidad interior (conjunto de dos)
- ➔ ERV
- ➔ ERV DX
- ➔ Ventilación montada en el suelo
- ➔ Heating
- ➔ AHU
- ➔ Enfriadora scroll
- ➔ Enfriadora de tornillo
- ➔ Enfriadora turbo
- ➔ Enfriadora de absorción
- ➔ Mini enfriadora scroll
- ➔ DOKIT
- ➔ DO
- ➔ AO
- ➔ Purificador de aire

Unidad exterior



Categoría	Contenidos
Control de capacidad de unidad exterior	<ul style="list-style-type: none"> <li>Pulse el botón [▼] para configurar la velocidad de funcionamiento del control del volumen (en %)</li> </ul>
Ajuste de Reducción de ruido de refrigerante de unidad exterior	<ul style="list-style-type: none"> <li>Pulse el botón [▲] / [▼] para configurar la etapa de control de carga inteligente (0 Nivel, 1 Nivel, 2 Nivel, 3 Nivel, 4 Nivel)</li> </ul>
Modo de ruido bajo	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar] : ajuste/cancelación de la reducción de ruido de la unidad exterior</li> </ul>
Modo de desescarche	<ul style="list-style-type: none"> <li>Pulse el botón [▲] / [▼] para configurar la etapa de funcionamiento del modo de descongelación de la unidad exterior (0 Nivel, 1 Nivel, 2 Nivel, 3 Nivel)</li> </ul>
Ajuste de Reducción de ruido de refrigerante de unidad exterior	<ul style="list-style-type: none"> <li>Pulse el botón [▲] / [▼] para configurar la etapa de funcionamiento del modo de reducción de ruido de refrigerante de la unidad interior (0 Nivel, 1 Nivel, 2 Nivel)</li> </ul>

**Nota**

En el controlador central, si se utiliza "funcionamiento con bajo nivel de ruido de la unidad exterior", en el mando a distancia de la unidad interior instalada, debe establecer [Configuración del instalador] > [Modo de ruido bajo] en 'ODU'.



Int.



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón [ON]: Inicia el funcionamiento del dispositivo</li> <li>• Botón [OFF]: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón [FRIO]: Cambia al modo de refrigeración</li> <li>• Botón [CALOR]: Cambia a modo de calefacción</li> <li>• Botón [Ventilador]: Modo de purificación de aire. Cuando se selecciona la opción Solo viento, no se aplica la temperatura de ajuste al dispositivo.</li> <li>• Botón [DESHU]: Elimina la humedad durante la temporada de lluvias o cuando la humedad es alta. Cuando se selecciona la opción de DesHumidificar, no se aplica la temperatura de ajuste al dispositivo.</li> <li>• Botón [AUTO]: Cambia al modo automático</li> </ul>
Limpieza de aire	<p>Control de limpieza del aire solamente para la unidad interior que admite la función de limpieza de aire</p> <ul style="list-style-type: none"> <li>• Funcionamiento exclusivo de la limpieza de aire             <ol style="list-style-type: none"> <li>1) En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], limpieza de aire solamente con viento (viento automático). (Durante el funcionamiento exclusivo de la función de limpieza de aire, no se comprueban el bloqueo de modo y el bloqueo de cantidad de viento)</li> <li>2) Durante la operación única de limpieza de aire, en caso de presionar el botón [OFF] o limpieza de aire [Limpiar], la limpieza del aire se cancelará, pasando al modo anterior y con la cantidad de viento anterior (No obstante, en caso de modo o control de cantidad de viento en conjunto, el control se realiza con modo y cantidad de viento controlados)</li> </ol> </li> <li>• Operación adicional de limpieza de aire             <ol style="list-style-type: none"> <li>1) En estado de parada de la unidad interior, en caso de presionar el botón [ON] y limpieza de aire [Fijar], en el modo actual, se ejecuta la operación adicional de limpieza de aire</li> <li>2) En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], en el modo actual, se ejecuta la operación</li> </ol> </li> </ul>

	<p>adicional de limpieza de aire</p> <p>3) Durante la operación adicional de limpieza de aire, en caso de presionar el botón <b>[OFF]</b> , se detiene la operación</p> <p>4) Durante la limpieza adicional del aire, en caso de limpieza de aire <b>[Limpiar]</b> , se cancela la limpieza del aire</p>
Fijar Temperatura	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura deseada
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón<b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón<b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>• Botón<b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón<b>[AUTO]</b>: Cambio automático entre<b>[Baja]</b>-<b>[MED]</b>-<b>[Alta]</b></li> </ul>
Swing	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Inicia /detiene la función de rotación automática del ventilador</li> </ul>
Fijar rango Temp.	Cuando el usuario establece la temperatura deseada de forma individual, es imposible ajustar la temperatura deseada fuera del Revés (no ocupado) designada
Ahorro de energía aprendido de encendido/apagado	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación del ahorro energía aprendido</li> </ul>
Ahorro de energía de temperatura	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación de la temperatura para conseguir mayor ahorro energético</li> </ul>
Ajuste de tiempo no ocupado (minutos)	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <p>Establezca el tiempo deseado a 5, 10, 15, 30, 60 o 90 minutos.</p>
Viento directo	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire directo</li> </ul>
Viento indirecto	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire indirecto</li> </ul>
Ahorro de energía cómodo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación de la función de ahorro de energía con entorno agradable</li> <li>• Puede pulsar el botón <b>[▲]</b> / <b>[▼]</b> para configurar el entorno</li> </ul> <p>Solamente se puede activar la función de control de ahorro de energía con entorno agradable cuando la unidad interior está en modo refrigeración</p>
Alarma de sustitución del prefiltro	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del prefiltro, cancela la alarma de sustitución del prefiltro.</li> </ul>
Alarma de sustitución del filtro de polvo fino	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del filtro de polvo fino, cancela la alarma de sustitución del filtro de polvo fino</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>
Bloqueo de modo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el modo con el mando a distancia individual</li> </ul>
Bloqueo del ventilador	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar la Velocidad ventilador con el mando a distancia individual</li> </ul>
Bloq.Temp	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el Fijar Temperatura con el mando a distancia individual</li> </ul>
Cambio modo auto.	<p>Esta función cambia automáticamente al funcionamiento de refrigeración si la temperatura interior alcanza el límite de temperatura superior, y cambia al funcionamiento de calefacción si la temperatura es inferior al límite inferior establecido, y activa el funcionamiento de aire solamente cuando la temperatura esté dentro del límite superior y el límite inferior (esta función solamente funciona con unidades exteriores con función de calefacción/refrigeración)</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Cambio modo auto.</li> </ul>
Temp. inferior/superior	Configuración de Cambio modo auto. para el Revés (no ocupado) inferior y superior
Velocidad del ventilador	<p>Seleccione el valor de la Velocidad ventilador a establecer en la unidad interior durante la operación de Cambio modo auto.</p> <ul style="list-style-type: none"> <li>• Botón<b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón<b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>• Botón<b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón<b>[AUTO]</b>: Cambio automático entre<b>[Baja]</b>-<b>[MED]</b>-<b>[Alta]</b></li> </ul>
Revés	<p>Función para mantener la temperatura del espacio en el que está instalado el dispositivo en cierto límite (función admitida solamente en unidades exteriores de funcionamiento simultáneo del modo de refrigeración/calefacción).</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Revés (no ocupado)</li> </ul>
Temp. inicio frío	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura de inicio del modo refrigeración (21°C~40°C)
Temp. inicio calor	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura de inicio del modo calefacción (1°C~20°C)
Control de calefacción combinada	<p>(compatible solo con determinadas unidades interiores y exteriores)</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control según la temperatura exterior</p>
Modo	<p>Solo se activa cuando el control de calefacción combinada está ajustado.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Automático]</b> : ajusta el modo de control en automático.</li> <li>• Botón <b>[Manual]</b> : ajusta el modo de control en manual.</li> </ul> <p>Puede activar/desactivar el control de la bomba de calor y el calentador. No puede activar/desactivar el control de la bomba de calor y el calentador al mismo tiempo.</p>
Temp. 1	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 1 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <p>Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 1 (-23°C-16°C).</p>
Temp. 2	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 2 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <p>Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 2 (-23°C-51°C).</p>
Bomba de calor	<p>Solo se activa en el modo manual.</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control de la bomba de calor.</p>
Calentador	<p>Solo se activa en el modo manual.</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control del calentador.</p>
Smart Care	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar Smart Care</p>
Control de cooperación	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar el control de cooperación</p>
UVnano	<p>Solo para modo UVnano: unidad interior compatible, modo UVnano: control</p> <p>Botón <b>[Establecer/borrar]</b>: activar / aesactivar UVnano</p>

## Unidad interior (conjunto de dos)

Cuando se usa la función de dos conjuntos que admite unidad exterior/unidad interior/mando a distancia y en [Ajustes] > [Instalando], si el modo automático de Conjunto de dos ACP está seleccionado como **Int.**, aparece la ventana de control de Conjunto de dos en el lateral derecho como se muestra en la siguiente pantalla.



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>Botón [ON]: Inicia el funcionamiento del dispositivo</li> <li>Botón [OFF]: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón [FRIO]: Cambia al modo de refrigeración</li> <li>Botón [CALOR]: Cambia a modo de calefacción</li> <li>Botón [Ventilador]: Modo de purificación de aire. Cuando se selecciona la opción Solo viento, no se aplica la temperatura de ajuste al dispositivo.</li> <li>Botón [DESHU]: Elimina la humedad durante la temporada de lluvias o cuando la humedad es alta. Cuando se selecciona la opción de DesHumidificar, no se aplica la temperatura de ajuste al dispositivo.</li> <li>Botón [AUTO]: Cambia al modo automático</li> </ul>
Limpiado de aire	<p>Control de limpieza del aire solamente para la unidad interior que admite la función de limpieza de aire</p> <ul style="list-style-type: none"> <li>Funcionamiento exclusivo de la limpieza de aire                             <ol style="list-style-type: none"> <li>En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], limpieza de aire solamente con viento (viento automático). (Durante el funcionamiento exclusivo de la función de limpieza de aire, no se comprueban el bloqueo de modo y el bloqueo de cantidad de viento)</li> <li>Durante la operación única de limpieza de aire, en caso de presionar el botón [OFF] o limpieza de aire [Limpiar], la limpieza del aire se cancelará, pasando al modo anterior y con la cantidad de viento anterior (No obstante, en caso de modo o control de cantidad de viento en conjunto, el control se realiza con modo y cantidad de viento controlados)</li> </ol> </li> <li>Operación adicional de limpieza de aire                             <ol style="list-style-type: none"> <li>En estado de parada de la unidad interior, en caso de presionar el botón [ON] y limpieza de aire [Fijar], en el modo actual, se ejecuta la operación adicional de limpieza de aire</li> <li>En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], en el modo actual, se ejecuta la operación adicional de limpieza de aire</li> <li>Durante la operación adicional de limpieza de aire, en caso de presionar el botón [OFF], se detiene la operación</li> <li>Durante la limpieza adicional del aire, en caso de limpieza de aire [Limpiar], se cancela la limpieza del aire</li> </ol> </li> </ul>
	Función para configurar el espacio como ocupado o vacío con la unidad interior correspondiente

Ocupado	<ul style="list-style-type: none"> <li>• Botón <b>[Ocupado]</b> : espacio ocupado</li> <li>• Botón <b>[Desocupado]</b> : espacio vacío</li> </ul>
Temperatura de ajuste frío	Pulse el botón <b>[▲]/[▼]</b> para configurar la temperatura de ajuste de refrigeración
Temperatura de ajuste calor	Pulse el botón <b>[▲]/[▼]</b> para configurar la temperatura de ajuste de la calefacción
Límites bajo/alto para la temperatura de refrigeración	Configuración de temperatura límite superior e inferior para la refrigeración
Límites bajo/alto para la temperatura de calefacción	Configuración de temperatura límite superior e inferior para la calefacción
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón<b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón<b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>• Botón<b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón<b>[AUTO]</b>: Cambio automático entre<b>[Baja]</b>-<b>[MED]</b>-<b>[Alta]</b></li> </ul>
Swing	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Inicia /detiene la función de rotación automática del ventilador</li> </ul>
Ahorro de energía aprendido de encendido/apagado	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación del ahorro energía aprendido</li> </ul>
Ahorro de energía de temperatura	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación de la temperatura para conseguir mayor ahorro energético</li> </ul>
Ajuste de tiempo no ocupado (minutos)	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <p>Establezca el tiempo deseado a 5, 10, 15, 30, 60 o 90 minutos.</p>
Viento directo	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire directo</li> </ul>
Viento indirecto	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire indirecto</li> </ul>
Ahorro de energía cómodo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación de la función de ahorro de energía con entorno agradable</li> <li>• Puede pulsar el botón <b>[▲]</b> / <b>[▼]</b> para configurar el entorno</li> </ul> <p>Solamente se puede activar la función de control de ahorro de energía con entorno agradable cuando la unidad interior está en modo refrigeración</p>
Alarma de sustitución del prefiltro	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del prefiltro, cancela la alarma de sustitución del prefiltro.</li> </ul>
Alarma de sustitución del filtro de polvo fino	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del filtro de polvo fino, cancela la alarma de sustitución del filtro de polvo fino</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>
Bloqueo de modo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el modo con el mando a distancia individual</li> </ul>
Bloqueo del ventilador	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar la Velocidad ventilador con el mando a distancia individual</li> </ul>
Bloq.Temp	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el Fijar Temperatura con el mando a distancia individual</li> </ul>
Control de calefacción combinada	<p>(compatible solo con determinadas unidades interiores y exteriores)</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control según la temperatura exterior</p>
Modo	<p>Solo se activa cuando el control de calefacción combinada está ajustado.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Automático]</b> : ajusta el modo de control en automático.</li> <li>• Botón <b>[Manual]</b> : ajusta el modo de control en manual.</li> </ul> <p>Puede activar/desactivar el control de la bomba de calor y el calentador. No puede activar/desactivar el control de la bomba de calor y el calentador al mismo tiempo.</p>
Temp. 1	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 1 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <ul style="list-style-type: none"> <li>• Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 1 (-23°C-16°C).</li> </ul>
Temp. 2	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 2 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <ul style="list-style-type: none"> <li>• Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 2 (-23°C-51°C).</li> </ul>
Bomba de calor	<p>Solo se activa en el modo manual.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control de la bomba de calor</li> </ul>
Calentador	<p>Solo se activa en el modo manual.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control del calentador</li> </ul>
Smart Care	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar Smart Care</p>
Control de cooperación	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar el control de cooperación</p>
UVnano	<p>Solo para modo UVnano: unidad interior compatible, modo UVnano: control</p> <p>Botón <b>[Establecer/borrar]</b>: Activar / Desactivar UVnano</p>

## Nota

### 2 Ajustes de Int.

- Solamente se podrán utilizar las funciones con el Modo automático de 2ajustes que admita aire interior y exterior. (Para ver qué dispositivos son compatibles con el Modo automático de 2ajustes, consulte el manual del dispositivo correspondiente).
- Override (anulación) es una función que se puede configurar desde el mando a distancia. Para ver el contenido relacionado con la función de anulación, consulte el manual de instrucciones del mando a distancia.
- En el 2 Ajustes de Int., junto con el icono Auto, se muestra el modo de funcionamiento actual del producto (calefacción, refrigeración).

### Ocupado

- Si el sensor de ocupado está interconectado con la unidad interior, la configuración desde el control central tiene prioridad sobre el sensor de ocupado correspondiente. Para ver la información relacionada con el sensor de ocupado, consulte el manual de la unidad interior o de Dry Contact.
- Al cambiar la configuración de ocupado, la configuración de temperatura de calefacción y temperatura de refrigeración se establecen automáticamente en los valores utilizados más recientemente, y si no se han establecido valores recientemente pasarán a configurarse con los valores predeterminados de fábrica.

(Ejemplo)

09:00 - 12:00: temperatura de ajuste en ocupado de refrigeración 27 ° C / temperatura de ajuste de calefacción en ocupado 18 ° C

12:00 - 13:00: temperatura de ajuste en ocupado de refrigeración 29 ° C / temperatura de ajuste de calefacción en ocupado 16 ° C

13:00 - 15:00: temperatura de ajuste en ocupado de refrigeración 26 ° C / temperatura de ajuste de calefacción en ocupado 19 ° C

Si está el espacio está vacío sin programar después de las 15:00, la temperatura de enfriamiento será de 29 ° C y la temperatura de calefacción será de 16 ° C, y si el espacio está ocupado, la temperatura de refrigeración será 26 ° C y la temperatura de calentamiento será 19 ° C.



VENT\_UNIT\_0A

Control Información

Funcionamiento

ON OFF

Modo

Normal HEX AUTO

Velocidad ventilador

Baja Alta Súper AUTO

Alarma de sustitución del filtro

Limpiar

Rápido

Fijar Limpiar

Drift

Fijar Limpiar

Calefactor

Fijar Limpiar

Bloq.Total

Fijar Limpiar

Aplicar

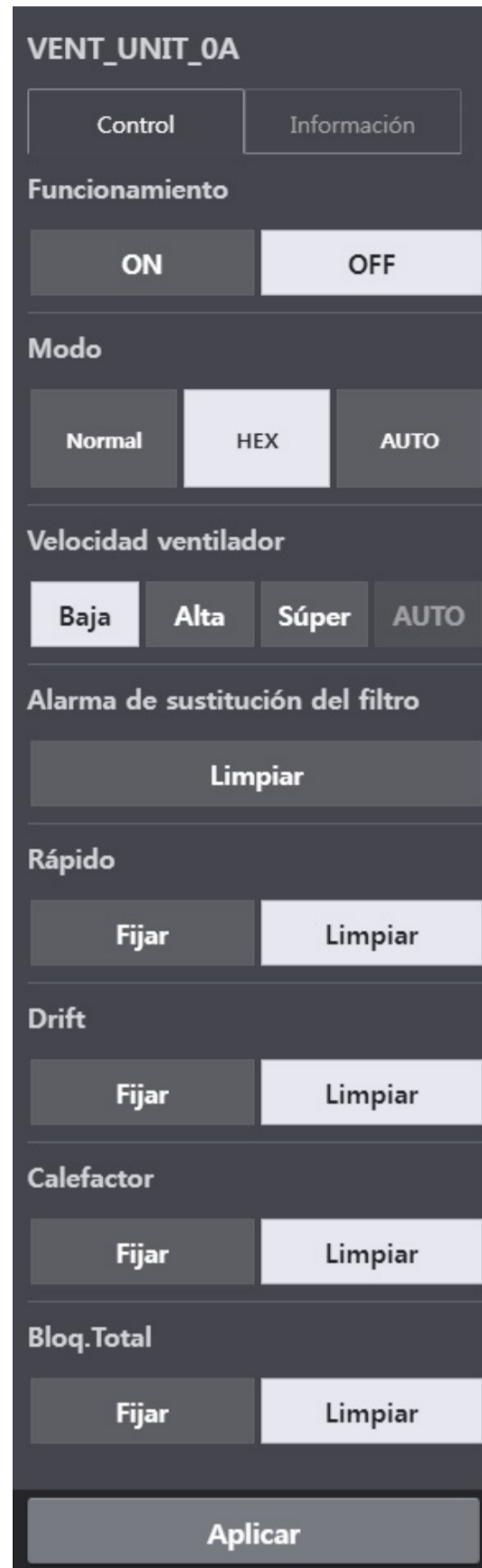
Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón <b>[Normal]</b>: Ventila el aire descargado sin pasar por el intercambiador de calor eléctrico</li> <li>Botón <b>[HEX]</b>: Ventila el aire descargado y el aire de suministro a través del intercambiador de calor eléctrico</li> <li>Botón <b>[AUTO]</b>: Cambia al modo de cuatro estaciones</li> </ul>
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>Botón <b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>Botón <b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>Botón <b>[Súper]</b>: Establece la velocidad del ventilador a la Máxima Velocidad</li> <li>Botón <b>[AUTO]</b>: Cambio automático entre <b>[Baja]</b>-<b>[Alta]</b>-<b>[Súper]</b> <ul style="list-style-type: none"> <li>- El usuario no puede realizar ningún ajuste</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[AUTO]</b></li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[Alta]</b></li> <li>- Durante el funcionamiento <b>[AUTO]</b>, cuando se selecciona <b>[Baja]</b>/<b>[Alta]</b>/<b>[Súper]</b>, se borra el funcionamiento del modo de Drift/Rápido</li> </ul> </li> </ul>
Alarma de sustitución del filtro	<ul style="list-style-type: none"> <li>Botón <b>[Limpiar]</b>: en caso de alarma de sustitución de filtro, cancela la alarma de sustitución de filtro</li> </ul>
Función adicional	<ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b> modo Rápido : Selecciona/desactiva la función Rápido (cuando se selecciona el modo Rápido, se desactiva la función de Drift)</li> <li>Botón <b>[Fijar/Limpiar]</b> modo de Drift : Selecciona/desactiva la función de Drift (cuando se selecciona el modo de Drift, se desactiva la función Rápido)</li> <li>Botón <b>[Fijar/Limpiar]</b> calentador : Selecciona/desactiva la función del calentador</li> </ul>
NTFC	<ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b>: Configura/cancela la función de refrigeración del aire a media noche que activa la refrigeración cuando la temperatura es inferior a la temperatura base a media noche</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón [ON]: Inicia el funcionamiento del dispositivo</li> <li>• Botón [OFF]: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón [Normal]: Ventila el aire descargado sin pasar por el intercambiador de calor eléctrico</li> <li>• Botón [HEX]: Ventila el aire descargado y el aire de suministro a través del intercambiador de calor eléctrico</li> <li>• Botón [AUTO]: Cambia al modo de cuatro estaciones</li> </ul>
Fijar Temperatura	Pulse el botón [▲]/[▼] para seleccionar la temperatura deseada
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón [Baja]: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón [Alta]: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón [Súper]: Establece la velocidad del ventilador a la Máxima Velocidad</li> <li>• Botón [AUTO]: Cambio automático entre [Baja]-[Alta]-[Súper] <ul style="list-style-type: none"> <li>- El usuario no puede realizar ningún ajuste</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador [AUTO]</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador [Alta]</li> <li>- Durante el funcionamiento [AUTO], cuando se selecciona [Baja]/[Alta]/[Súper], se borra el funcionamiento del modo de Drift/Rápido</li> </ul> </li> </ul>
Co-Aire acondicionado	<ul style="list-style-type: none"> <li>• Botón [FRIO]: Controla la ERV DX en el modo de refrigeración</li> <li>• Botón [AUTO]: Controla la ERV DX en el modo de auto</li> <li>• Botón [CALOR]: Controla la ERV DX como modo de calefacción</li> <li>• Botón [OFF]: Detiene el aire acondicionado de la ERV DX</li> </ul>
Fijar rango Temp.	Cuando el usuario establece la temperatura deseada de forma individual, es imposible ajustar la temperatura deseada fuera del Revés (no ocupado) designada
Alarma de sustitución del filtro	<ul style="list-style-type: none"> <li>• Botón [Limpiar]: en caso de alarma de sustitución de filtro, cancela la alarma de sustitución de filtro</li> </ul>
Función adicional	<ul style="list-style-type: none"> <li>• Botón [Fijar/Limpiar] modo Rápido : Selecciona/desactiva la función Rápido (cuando se selecciona el modo Rápido, se desactiva la función de Drift)</li> <li>• Botón [Fijar/Limpiar] modo de Drift : Selecciona/desactiva la función de Drift (cuando se selecciona el modo de Drift, se desactiva la función Rápido)</li> <li>• Botón [Fijar/Limpiar] calentador : Selecciona/desactiva la función del calentador</li> <li>• Botón [Fijar] Humidificar: Fijar la función de Humidificar (solamente para el modo de calefacción de aire acondicionado)</li> </ul>
NTFC	<ul style="list-style-type: none"> <li>• Botón [Fijar/Limpiar]: Configura/cancela la función de refrigeración del aire a media noche que activa la refrigeración cuando la temperatura es inferior a la temperatura base a media noche</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>
Bloqueo de modo	<ul style="list-style-type: none"> <li>• Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el modo con el mando a distancia individual</li> </ul>
Bloqueo del ventilador	<ul style="list-style-type: none"> <li>• Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar la Velocidad ventilador con el mando a distancia individual</li> </ul>
Bloq.Temp	<ul style="list-style-type: none"> <li>• Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el Fijar Temperatura con el mando a distancia individual</li> </ul>



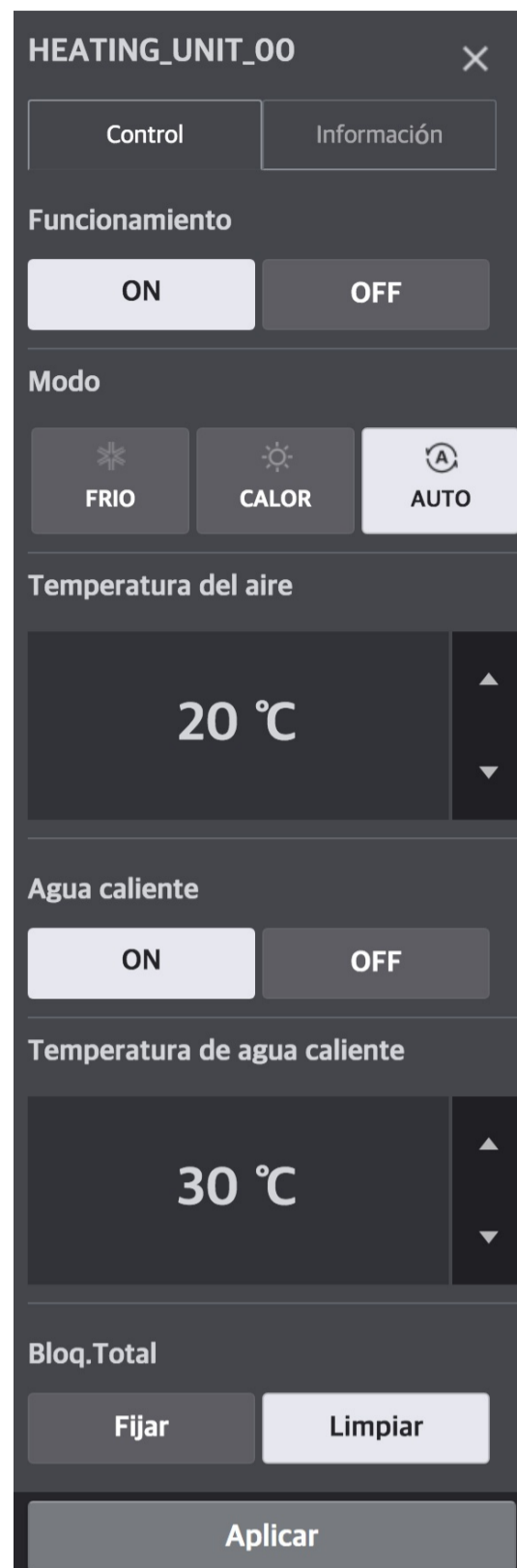
Ventilación montada en el suelo



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón <b>[Normal]</b>: Ventila el aire descargado sin pasar por el intercambiador de calor eléctrico</li> <li>• Botón <b>[HEX]</b>: Ventila el aire descargado y el aire de suministro a través del intercambiador de calor eléctrico</li> <li>• Botón <b>[AUTO]</b>: Cambia al modo de cuatro estaciones</li> </ul>
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón <b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón <b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón <b>[Súper]</b>: Establece la velocidad del ventilador a la Máxima Velocidad</li> <li>• Botón <b>[AUTO]</b>: Cambio automático entre <b>[Baja]</b>-<b>[Alta]</b>-<b>[Súper]</b> <ul style="list-style-type: none"> <li>- El usuario no puede realizar ningún ajuste</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[AUTO]</b></li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[Alta]</b></li> <li>- Durante el funcionamiento <b>[AUTO]</b> , cuando se selecciona <b>[Baja]</b>/<b>[Alta]</b>/<b>[Súper]</b> , se borra el funcionamiento del modo de Drift/Rápido</li> </ul> </li> </ul>
Alarma de sustitución del filtro	<ul style="list-style-type: none"> <li>• Botón <b>[Limpiar]</b>: en caso de alarma de sustitución de filtro, cancela la alarma de sustitución de filtro</li> </ul>
Función adicional	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b> modo Rápido : Selecciona/desactiva la función Rápido (cuando se selecciona el modo Rápido, se desactiva la función de Drift)</li> <li>• Botón <b>[Fijar/Limpiar]</b> modo de Drift : Selecciona/desactiva la función de Drift (cuando se selecciona el modo de Drift, se desactiva la función Rápido)</li> <li>• Botón <b>[Fijar/Limpiar]</b> calentador : Selecciona/desactiva la función del calentador</li> </ul>
NTFC	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b>: Configura/cancela la función de refrigeración del aire a media noche que activa la refrigeración cuando la temperatura es inferior a la temperatura base a media noche</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>



## Heating



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón <b>[FRIO]</b>: Cambia al modo de refrigeración</li> <li>• Botón <b>[CALOR]</b>: Cambia a modo de calefacción</li> <li>• Botón <b>[AUTO]</b>: Cambia al modo automático</li> </ul>
Temperatura de entrada/salida del agua/aire	<p>Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura de entrada/salida del aire/agua</p> <p>Se muestra en base a la temperatura de ajuste seleccionada en <b>[Ajustes]-[Instalando]</b></p> <ul style="list-style-type: none"> <li>• Cuando se selecciona <b>[Entrada/Salida de agua]</b>, se muestra como temperatura de entrada/salida del agua</li> <li>• Cuando se selecciona <b>[Interior]</b>, se muestra como temperatura del aire</li> </ul>
Agua caliente	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento de agua caliente <ul style="list-style-type: none"> <li>- Si se utiliza el modo de agua caliente con el dispositivo en modo de refrigeración o modo automático, el modo correspondiente y agua caliente se mostrarán en el icono de la sección de visualización del contenido</li> <li>- Si se utiliza el agua caliente con el dispositivo parado, se habilita el icono en la sección de visualización de contenidos y se muestra agua caliente</li> </ul> </li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento de agua caliente</li> </ul>
Temperatura de agua caliente	<p>Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura del agua caliente</p>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>



## AHU



Categoría	Contenidos
Ver detalles	Pulse el botón <b>[Ver detalles]</b> para verificar la información detallada (no funciona en el móvil)
Funcionamiento	<ul style="list-style-type: none"> <li>Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón <b>[FRIO]</b>: Cambia al modo de refrigeración</li> <li>Botón <b>[CALOR]</b>: Cambia a modo de calefacción</li> <li>Botón <b>[Ventilador]</b>: Modo de purificación de aire. Cuando se selecciona el modo Solo viento, no se puede ajustar la temperatura deseada</li> <li>Botón <b>[DESHU]</b>: Elimina la humedad durante la temporada de lluvias o cuando la humedad es alta. Cuando se selecciona el modo DesHumidificar no se puede ajustar la temperatura deseada</li> <li>Botón <b>[Drift]</b>: Operación para encontrar el punto de operación con la mejor eficiencia del sistema de ventilación para disminuir el consumo de energía. Descarga con fluidez el aire interior contaminado al descargar una mayor cantidad de aire que el aire de entrada</li> <li>Botón <b>[Recalentar]</b>: mantiene una temperatura y humedad constantes mientras la función de refrigeración/calefacción se encuentra activa (disponible solo mientras se usa la bobina de recalentamiento de la unidad de gestión del aire)</li> </ul>
Fijar Temperatura	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura.
Estándar de control del ventilador	<ul style="list-style-type: none"> <li>Botón <b>[Ventilador]</b>: Controla el ventilador en base al estado de Velocidad ventilador</li> <li>Botón <b>[Temperatura]</b>: Controla el ventilador en base al estado de la temperatura</li> <li>Botón <b>[Presión]</b>: Controla el ventilador en base al estado de la presión</li> </ul>
Velocidad ventilador	Solamente aparece cuando el estándar de control del ventilador es la Velocidad ventilador <ul style="list-style-type: none"> <li>Botón <b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>Botón <b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>Botón <b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> </ul>
Ventilación automática	Solamente aparece cuando se seleccionan la ventilación automática, o la ventilación/Humidificar automática en la función Adicional durante el registro del dispositivo AHU <ul style="list-style-type: none"> <li>Botón <b>[Seleccionar/Borrar]</b> ventilación automática: Inicia/detiene la ventilación automática</li> </ul>
Fijar CO <sub>2</sub>	Se activa únicamente cuando se configura la función de ventilación automática Pulse el botón <b>[▲]/[▼]</b> para configurar la unidad en 100ppm dentro del rango de 100 ppm ~ 2 000 ppm
Humidificar	Solamente aparece cuando se seleccionan la Humidificar, o la ventilación/Humidificar automática en la función Adicional durante el registro del dispositivo AHU <ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b> Humidificar_: Inicia/detiene la función de Humidificar</li> </ul>
Humedad	Se activa únicamente cuando se configura la función de Humidificar Pulse el botón <b>[▲]/[▼]</b> para seleccionar la humedad deseada
Apertura de compuerta	<ul style="list-style-type: none"> <li>Pulse <b>[Compuerta OA]</b>: Pulse el botón <b>[▲]/[▼]</b> para establecer el valor de apertura de compuerta de la unidad exterior en la unidad de 1 ° dentro del rango 0 ° ~ 90 °.</li> <li>Pulse <b>[Compuerta MIX]</b>: Pulse el botón <b>[▲]/[▼]</b> para establecer el valor de apertura de compuerta del mezclador en la unidad de 1 ° dentro del rango 0 ° ~ 90 °.</li> <li>Pulse <b>[Compuerta EA]</b>: Pulse el botón <b>[▲]/[▼]</b> para establecer el valor de apertura de compuerta de descarga en la unidad de 1 ° dentro del rango 0 ° ~ 90 °.</li> </ul> <p>Cuando configura <b>[Ajustes]-[Ajustes del sistema] Aplicar fórmula apertura de compuerta</b> como configuración, Funciona como Compuerta OA = Compuerta EA, Compuerta OA = Compuerta MIX = 90</p>

## Consulte los detalles en AHU

En la pantalla de control de AHU, puede pulsar el botón **[Ver detalles]** para ver la información detallada.

The screenshot displays the AHU control interface for 'Campus #1'. The main area shows a 3D schematic of the AHU with various components labeled: 'Regulador : 0°', 'EA', 'RA', 'OA', and 'SA'. Real-time data is shown for each section: 'Temperatura 30,0°C', 'Humedad 0%', and 'CO<sub>2</sub> 0ppm'. A status bar at the top indicates 'Estado' with a red progress bar and 'ON' status. A sidebar on the left contains navigation options: Cuenta, Panel de control, Control, Energía, Historial, and Ajustes. The top right corner shows error notifications: 'Error del dispositivo' and 'Error de red', along with the date and time '09-02-2022 AM 09:27' and an 'Ayuda' button.

On the right side, a detailed control panel for 'MAHU\_Fresh' is visible. It includes a 'Ver detalles' button, 'Funcionamiento' controls (ON/OFF), 'Modo' selection (FRIO, CALOR, VENT., DESHU, Drift), and a 'Fijar Temperatura' section set to '18,0 °C'. Below this, there are 'Estándar de control del ventilador' options (Ventilador, Temperatura, Presión) and 'Velocidad ventilador' settings (Baja, MED, Alta). The panel also features 'Ventilación automática' controls (Fijar, Limpiar) and an 'Aplicar' button at the bottom.

➔ SPLIT DOAS

SPLIT DOAS(ARND/DB)

Elemento	Descripción
Ver detalles	Haga clic en el botón [Ver detalles] para ver información detallada (no disponible en el modo móvil).
Estado de funcionamiento	<ul style="list-style-type: none"> <li>Botón [Iniciar funcionamiento]: se inicia el funcionamiento del dispositivo.</li> <li>Botón [Detener funcionamiento]: se detiene el funcionamiento del dispositivo.</li> </ul>
Temperatura objetivo	Pulse el botón [▲]/[▼] para definir la temperatura objetivo.
Ocupado	Función para establecer el espacio gestionado por DOAS como ocupado o vacío <ul style="list-style-type: none"> <li>Botón [Ocupado]: se establece como Ocupado</li> <li>[Vacío]: se establece como Vacío</li> </ul>

SPLIT DOAS(ARND/DC)

Elemento	Descripción
----------	-------------

Ver detalles	Haga clic en el botón <b>[Ver detalles]</b> para ver información detallada (no disponible en el modo móvil).
Estado de funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[Iniciar funcionamiento]</b>: se inicia el funcionamiento del dispositivo.</li> <li>• Botón <b>[Detener funcionamiento]</b>: se detiene el funcionamiento del dispositivo.</li> </ul>
Temperatura objetivo	Pulse el botón <b>[▲]/[▼]</b> para definir la temperatura objetivo.
Ocupado	Función para establecer el espacio gestionado por DOAS como ocupado o vacío <ul style="list-style-type: none"> <li>• Botón <b>[Ocupado]</b>: se establece como Ocupado</li> <li>• <b>[Vacío]</b>: se establece como Vacío</li> </ul>

## Control de ahorro de energía vinculado Multi-V

Esta función controla los modos de funcionamiento DOAS y Multi-V según el estado de funcionamiento de Multi-V y la temperatura del aire interior y exterior/humedad, para ahorrar energía del sistema.

El funcionamiento de ahorro de energía solo se puede poner en marcha con condiciones interiores aceptables (en el caso de refrigeración, una temperatura de 28 °C o menos y una humedad del 60 % o menos). Puede ajustar el grado de frescor y de ahorro de energía que prefiera.

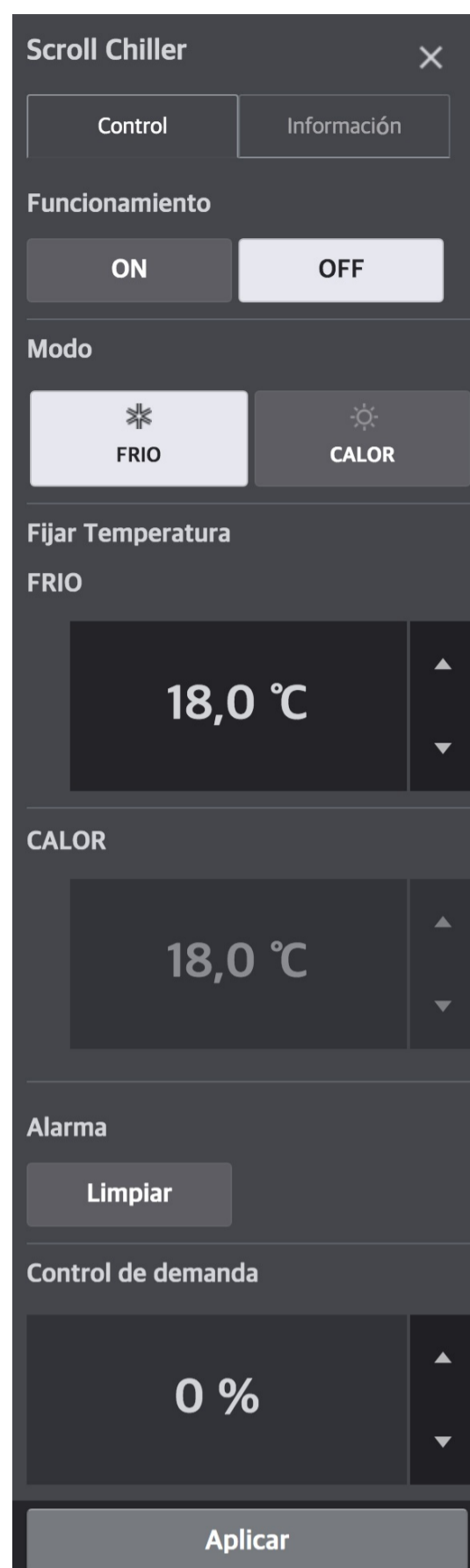
### Nota

- Para usar el control de ahorro de energía vinculado Multi-V necesita un sensor de humedad interior DOAS.
- El funcionamiento de ahorro de energía solo se puede poner en marcha cuando DOAS opera en el modo de refrigeración o deshumidificación y todas las unidades interiores están en funcionamiento de refrigeración.
- Paso de ahorro de energía: a medida que se acerca al paso 3, la deshumidificación se debilita y el ahorro de energía aumenta.

➔ Establecer el control de ahorro de energía vinculado Multi-V



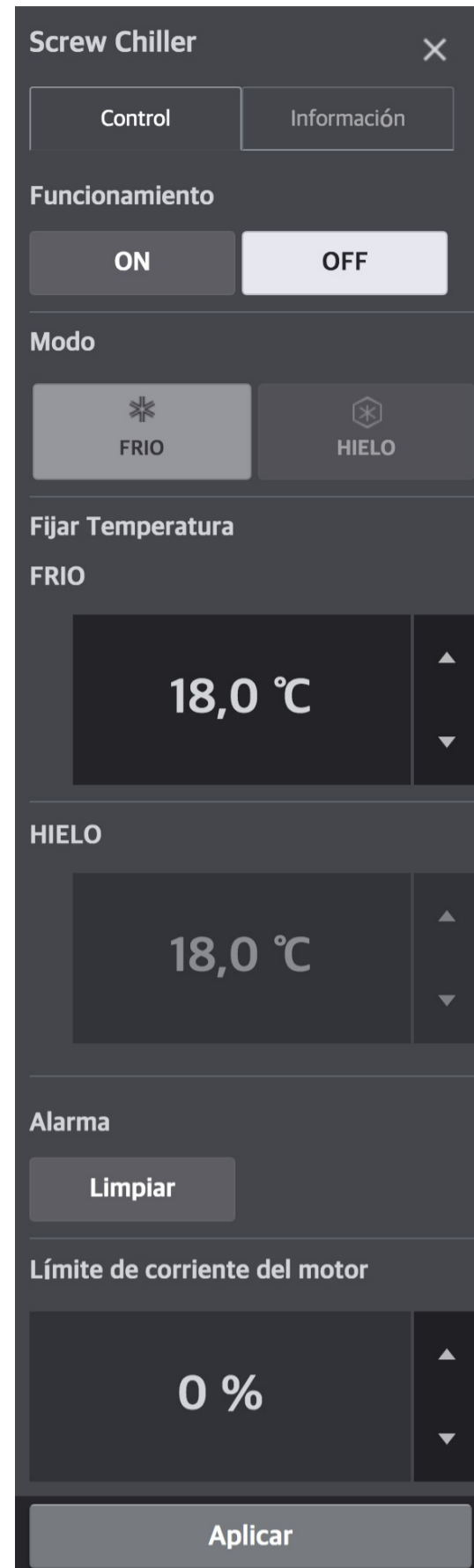
## Enfriadora scroll



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	(Solamente aparece cuando el dispositivo admite el modo correspondiente) <ul style="list-style-type: none"> <li>• Botón <b>[FRIO]</b>: Cambia al modo de refrigeración</li> <li>• Botón <b>[CALOR]</b>: Cambia a modo de calefacción</li> </ul>
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la refrigeración/calefacción interior Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de refrigeración y el modo de calefacción
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Control de demanda	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para establecer el rango del límite de demanda



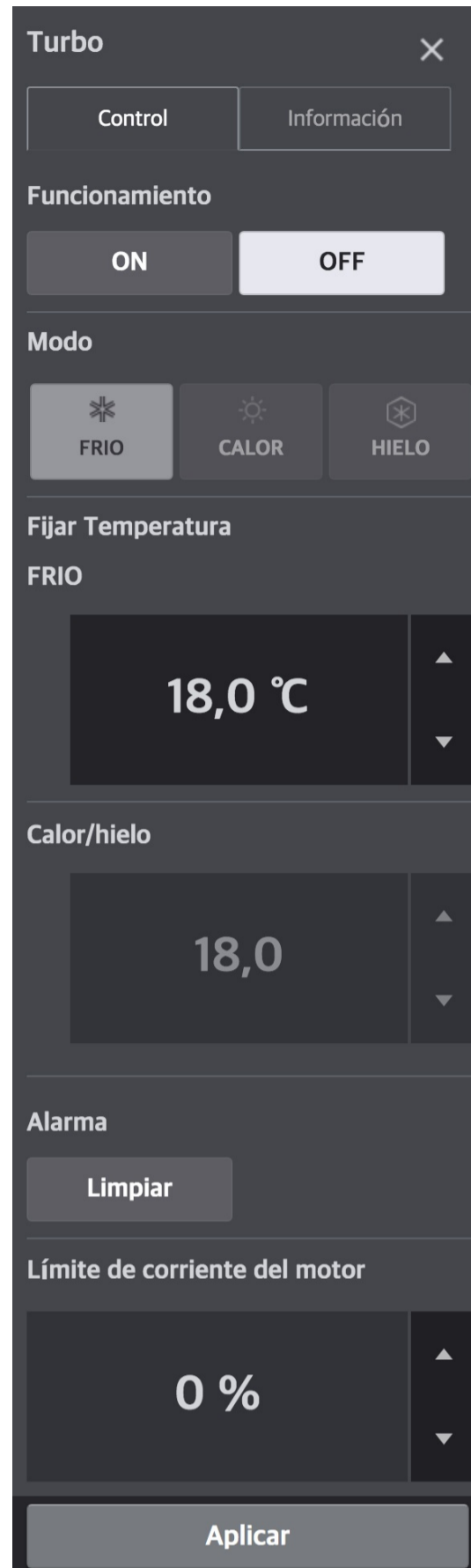
## Enfriadora de tornillo



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	No se puede controlar el Modo. Control de la temperatura de ajuste del Modo controlado
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la refrigeración interior/creación de hielo Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de refrigeración y el modo de creación de hielo
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Límite de corriente del motor	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para seleccionar el rango del límite de corriente del motor

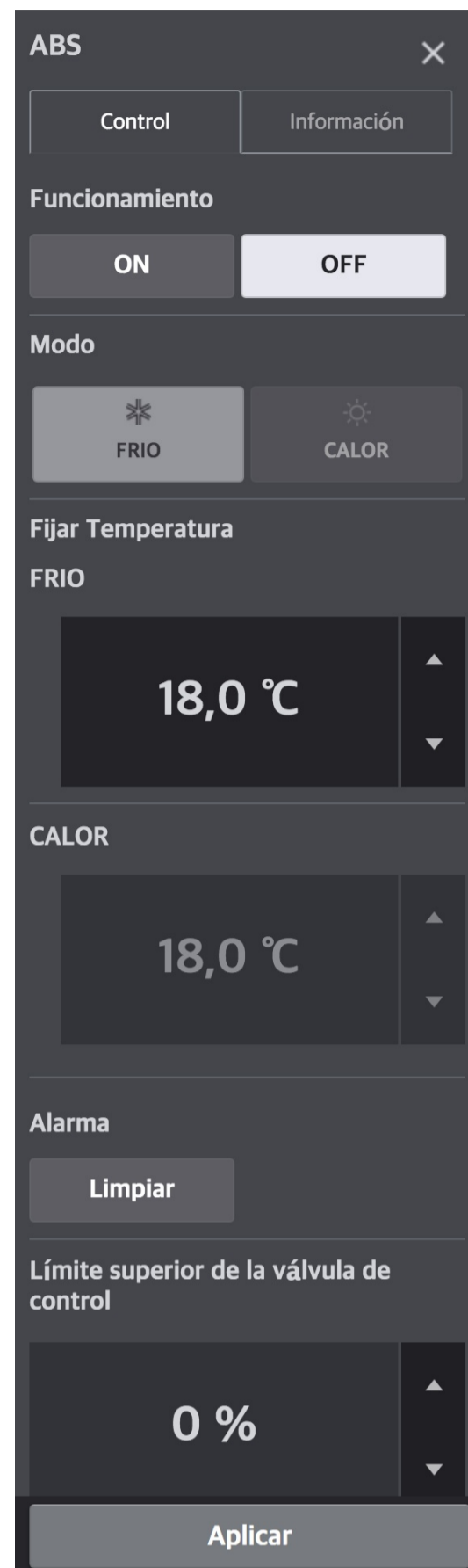


## Enfriadora turbo



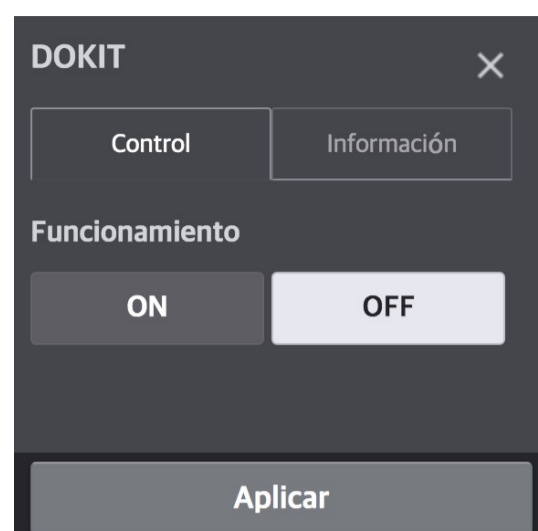
Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	No se puede controlar el Modo. Control de la temperatura de ajuste del Modo controlado
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la calefacción/refrigeración interior/creación de hielo Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de calefacción, el modo de refrigeración y el modo de creación de hielo
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Límite de corriente del motor	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para seleccionar el rango del límite de corriente del motor

## Enfriadora de absorción



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	No se puede controlar el Modo. Control de la temperatura de ajuste del Modo controlado
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la refrigeración/calefacción interior Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de refrigeración y el modo de calefacción
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Límite de control de la válvula de control	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para establecer el rango del límite superior de la válvula de control

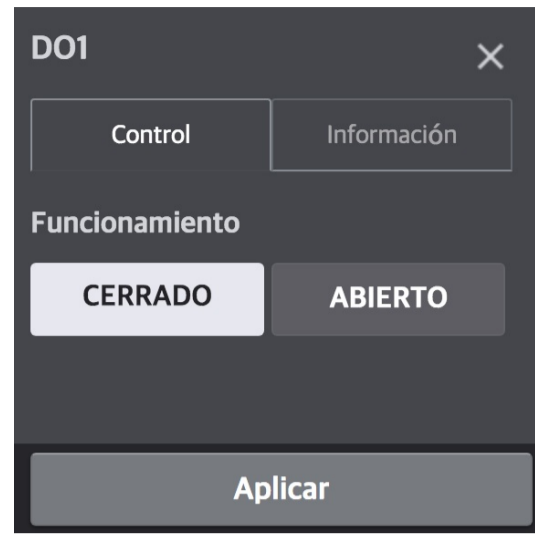
## DOKIT



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"><li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li><li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li></ul>

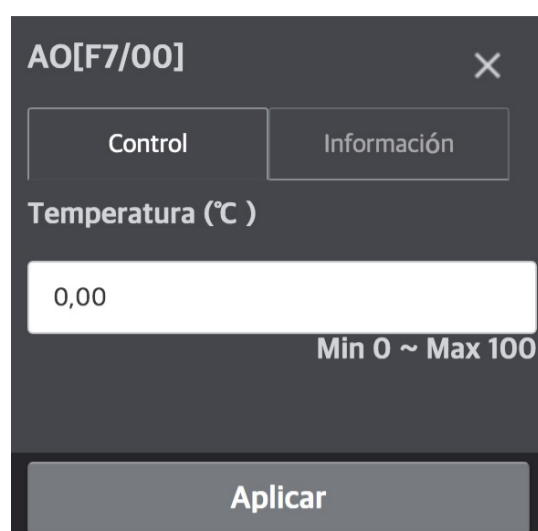


DO



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"><li>• Botón[CERRADO]: Salida de señal de corto circuito</li><li>• Botón[ABIERTO]: Salida de señal de estado abierto</li></ul>

AO



Categoría	Contenidos
Temperatura	Establecer el valor de temperatura

**Nota**

El símbolo de la unidad puede cambiar de acuerdo con el uso configurado durante el registro del dispositivo.



## Información del dispositivo

Al hacer clic en la pestaña información del dispositivo en la pantalla de control del dispositivo, puede ver el la información del dispositivo.

Puede ver la información básica del dispositivo, información del funcionamiento, información de la programación, información de errores y el historial del día actual.

AC_UNIT_OB	AC_UNIT_OB	AC_UNIT_OB	AC_UNIT_OB	AC_UNIT_OB												
<p>Control Información</p> <p>Información básica</p> <p>Nombre AC_UNIT_OB</p> <p>Dirección OB</p> <p>Grupo 새그룹</p> <p>Ver diseño</p> <p>Ext. ODU[00]</p> <p>Modelo AC</p> <p>Capacidad 3</p> <p>Modelo ODU MULTIV</p> <p>Capacidad ODU 100</p> <p>Información sobre el funcionamiento</p> <p>Información de la programación (2)</p> <p>Información de error</p> <p>Historial</p>	<p>Control Información</p> <p>Información básica</p> <p>Información sobre el funcionamiento</p> <p>Funcionamiento OFF</p> <p>Modo FRIO</p> <p>Limpieza del aire Limpiar</p> <p>Temperatura actual 26,5 °C</p> <p>Fijar Temperatura 30,0 °C</p> <p>Polvo fino(PM10) 11µg/m<sup>3</sup> (Buena)</p> <p>Polvo ultrafino(PM2.5) 12µg/m<sup>3</sup> (Buena)</p> <p>Polvo superultrafino(PM1.0) 13µg/m<sup>3</sup> (Buena)</p> <p>Velocidad ventilador Baja</p> <p>Swing Limpiar</p> <p>Establecer rango de temperatura 16,0 °C / 30,0 °C</p>	<p>Control Información</p> <p>Información básica</p> <p>Información sobre el funcionamiento</p> <p>Información de la programación (2)</p> <table border="1"> <thead> <tr> <th>Hora</th> <th>Descripción</th> </tr> </thead> <tbody> <tr> <td>00:00</td> <td>Schedule</td> </tr> <tr> <td>02:00</td> <td>Schedule</td> </tr> </tbody> </table> <p>Información de error</p> <p>Historial</p>	Hora	Descripción	00:00	Schedule	02:00	Schedule	<p>Control Información</p> <p>Información básica</p> <p>Información sobre el funcionamiento</p> <p>Información de la programación (2)</p> <p>Información de error</p> <p>Error Ningún error</p> <p>Código de error 0</p> <p>Descripción del error Ningún error</p> <p>Historial</p>	<p>Control Información</p> <p>Información básica</p> <p>Información sobre el funcionamiento</p> <p>Información de la programación (2)</p> <p>Información de error</p> <p>Historial</p> <table border="1"> <thead> <tr> <th>Hora</th> <th>Contenidos</th> </tr> </thead> <tbody> <tr> <td>25-12-2017 01:31</td> <td>Control Modo: VENT. by admin</td> </tr> <tr> <td>25-12-2017 01:31</td> <td>Control Funcionamiento: ON by admin</td> </tr> </tbody> </table>	Hora	Contenidos	25-12-2017 01:31	Control Modo: VENT. by admin	25-12-2017 01:31	Control Funcionamiento: ON by admin
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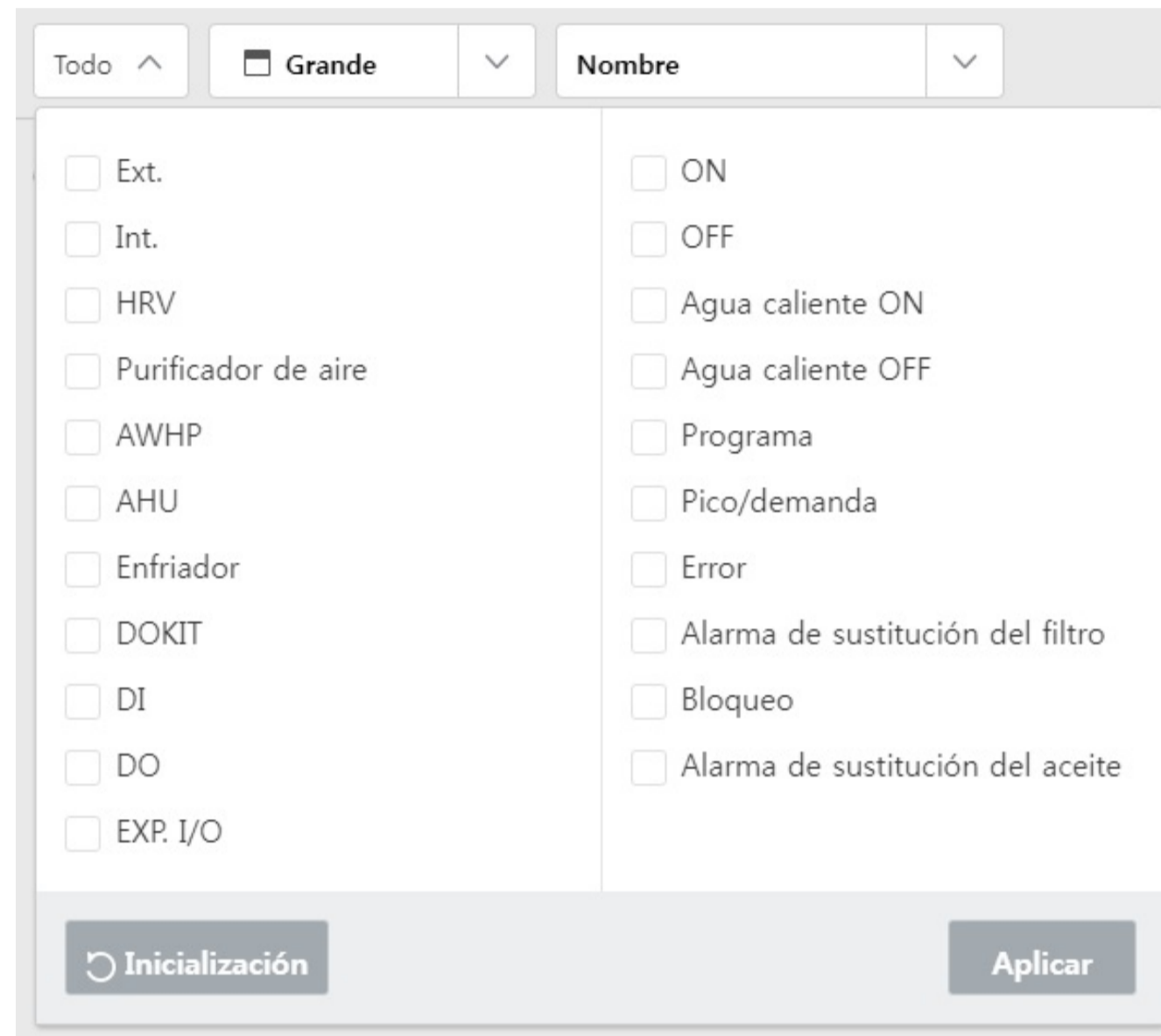
## Control

Puede configurar el dispositivo registrado al estado y control deseados.

1. En la pestaña de menú de la izquierda, haga clic en **[Control]** > **[control del dispositivo]** .
2. En la sección de la pestaña de la lista de dispositivos, haga clic en la pestaña deseada.

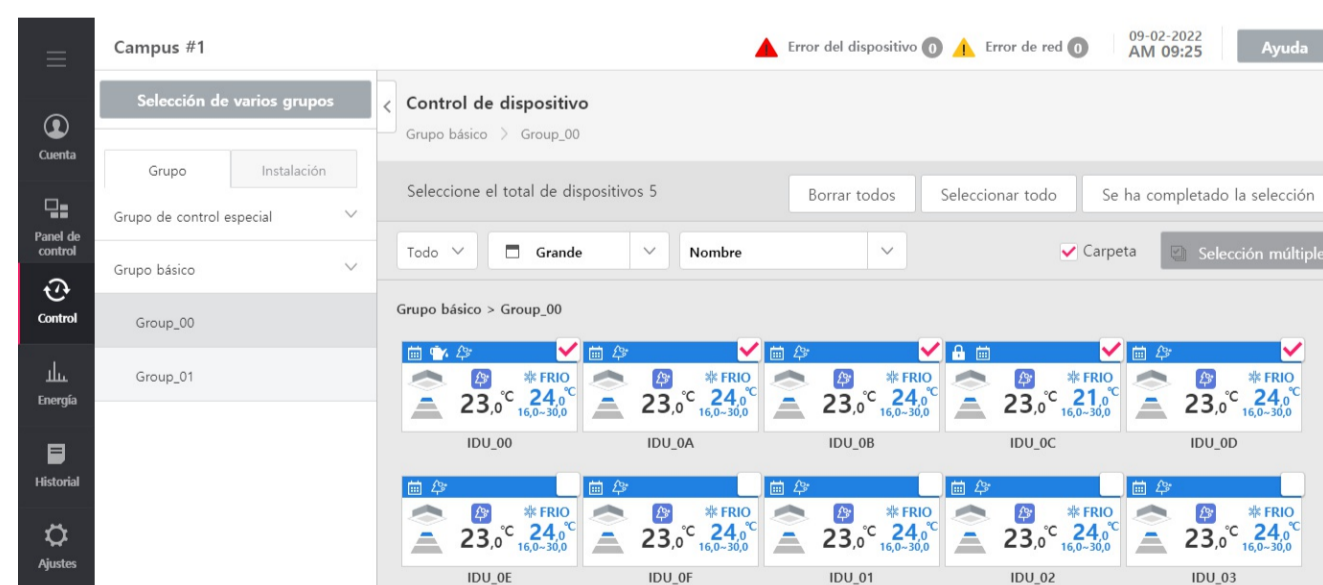
Categoría	Descripción
Grupo	Lista del grupo de administración utilizado para mayor comodidad
Instalación	Proporciona información del dispositivo conectado en la actualidad

3. En la sección de filtro, haga clic en el botón del filtro del tipo de dispositivo o del estado a controlar.
  - Se pueden seleccionar varios botones para todos los botones de filtro.
  - Solamente se selecciona y se muestra la información correspondiente.



Tipos de filtro	Categoría de detalle
Dispositivo	Unidad exterior, unidad interior, Purificador de aire, AHU, refrigerador, ERV, Heating, ENCENDIDO/APAGADO del dispositivo, DI, DO, EXP.I/O
Estado	ON, OFF, Agua caliente ON, Agua caliente OFF, Programa, Control de pico, Error, Alarma de sustitución del filtro, Bloqueo, Alarma de sustitución del filtro

4. En la sección de dispositivos, seleccione el dispositivo a controlar.
  - Puede seleccionar varios dispositivos a la vez. Para seleccionar todos los dispositivos en un grupo determinado, haga clic en **[Selección múltiple]** , y haga clic en el botón **[Seleccionar todo]**. De acuerdo con los distintos tipos de dispositivos seleccionados, la categoría a controlar puede ser limitada.



5. En la ventana de control, establezca el estado de control del equipo correspondiente.
6. Una vez realizada la configuración, haga clic en el botón **[Aplicar]**.

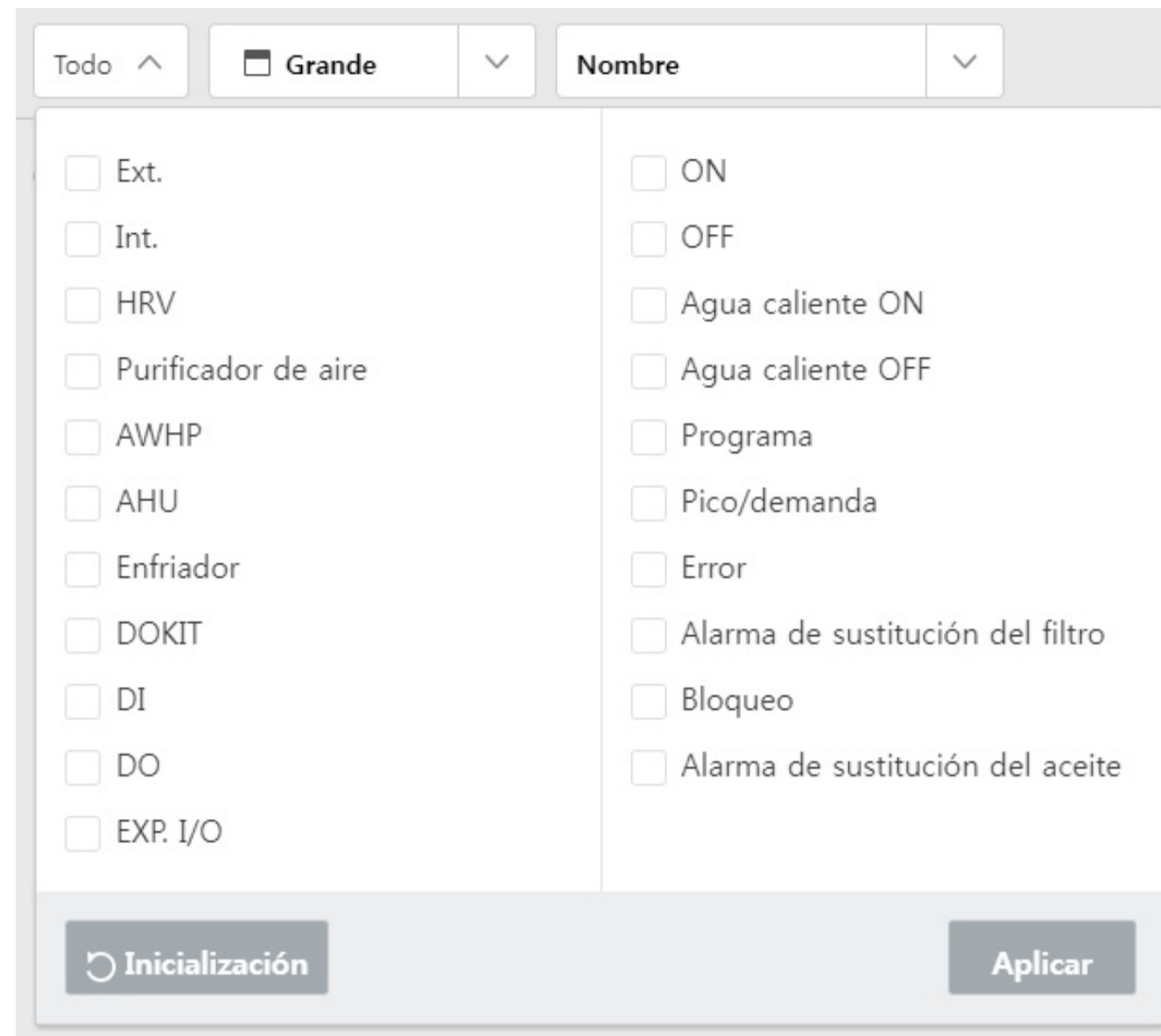
## Vigilancia

Puede comprobar el estado de control del dispositivo registrado.

1. En la pestaña de menú de la izquierda, haga clic en **[Control] > [control del dispositivo]** .
2. En la sección de la pestaña de la lista de dispositivos, haga clic en la pestaña deseada.

Categoría	Descripción
Grupo	Lista del grupo de administración utilizado para mayor comodidad
Instalación	Proporciona información del dispositivo conectado en la actualidad

3. En la sección de filtro, haga clic en el botón del filtro del tipo de dispositivo o del estado a comprobar.
  - Se pueden seleccionar varios botones para todos los botones de filtro.
  - Solamente se selecciona y se muestra la información correspondiente.



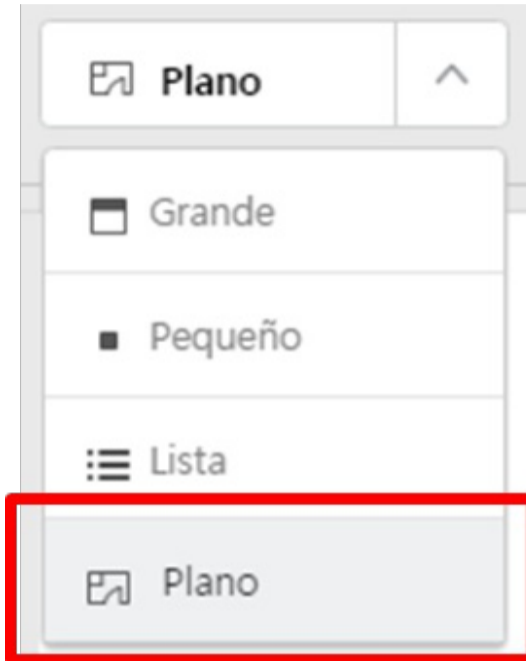
Tipos de filtro	Categoría de detalle
Dispositivo	Unidad exterior, unidad interior, Purificador de aire, AHU, refrigerador, ERV, Heating, ENCENDIDO/APAGADO del dispositivo, DI, DO, EXP.I/O
Estado	ON, OFF, Agua caliente ON, Agua caliente OFF, Programa, Control de pico, Error, Alarma de sustitución del filtro, Bloqueo, Alarma de sustitución del filtro

4. En la sección de dispositivos, compruebe la información del dispositivo.
5. Para comprobar el estado de control de detalles del dispositivo, haga clic en el icono del dispositivo correspondiente.
  - Se muestra la ventana de control del dispositivo correspondiente.

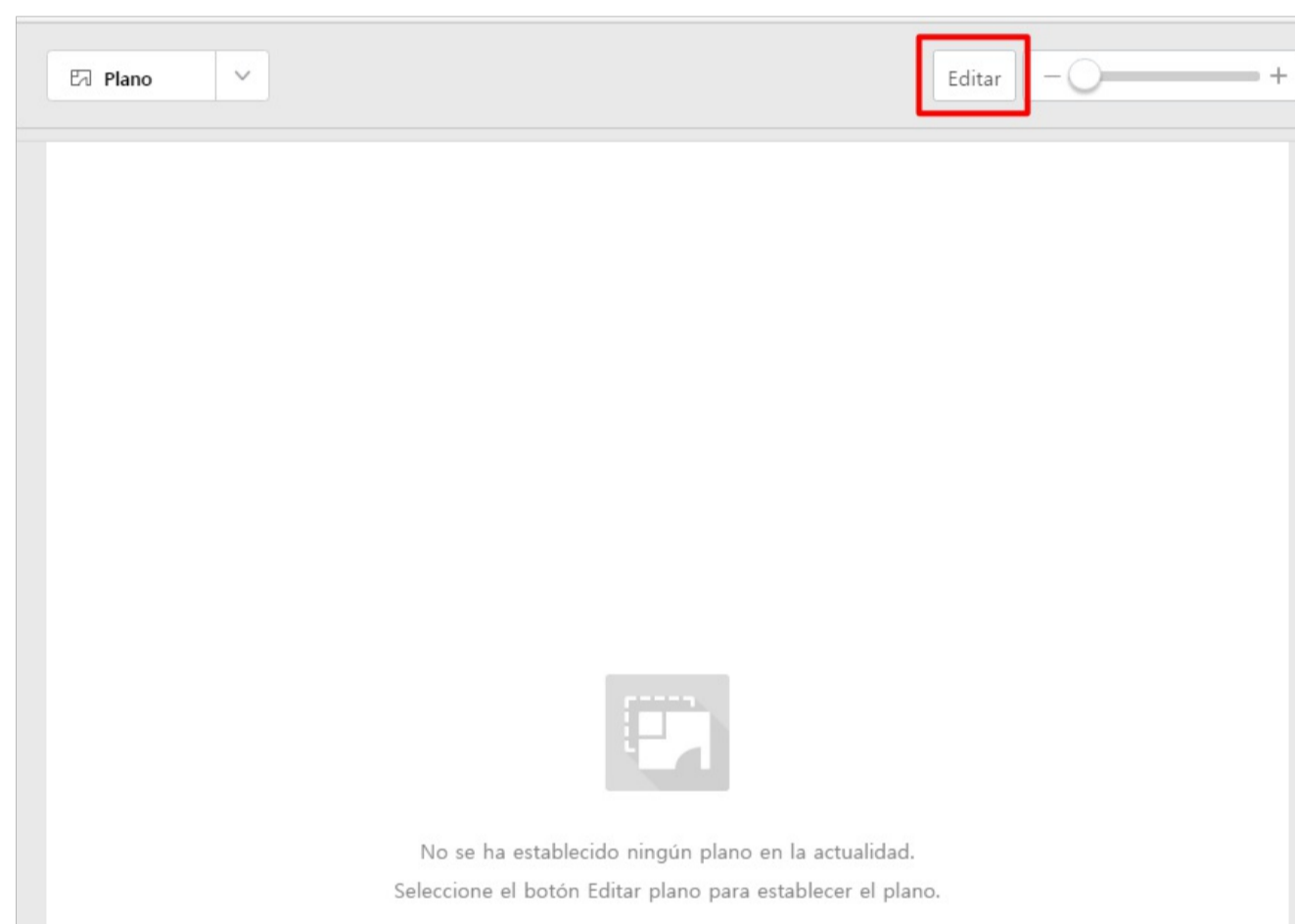
## Editar plano

Cuando la utilización de plano de [Ajustes] > [Ajustes del sistema] se ha seleccionado como Fijar, es posible editar el plano.

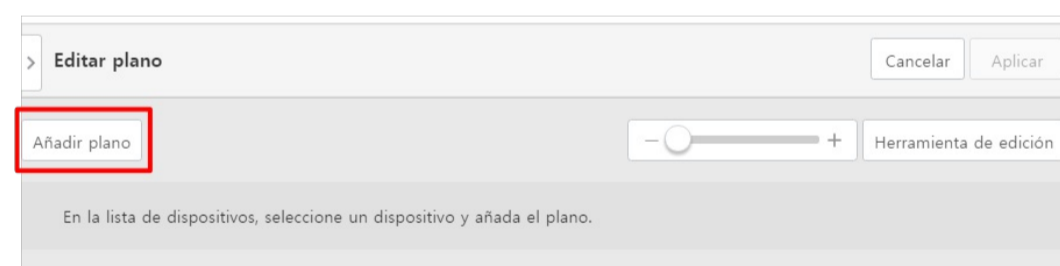
1. En la pestaña de menú de la izquierda, haga clic en [Control] > [control del dispositivo] .
2. En la sección de la pestaña del grupo de dispositivos, haga clic en [Grupo] .
  - Al seleccionar [Instalación] , los métodos de visualización [Plano] se deshabilitan.
3. En el método de visualización, haga clic en [Ver plano].



4. Haga clic en el botón [Editar] .

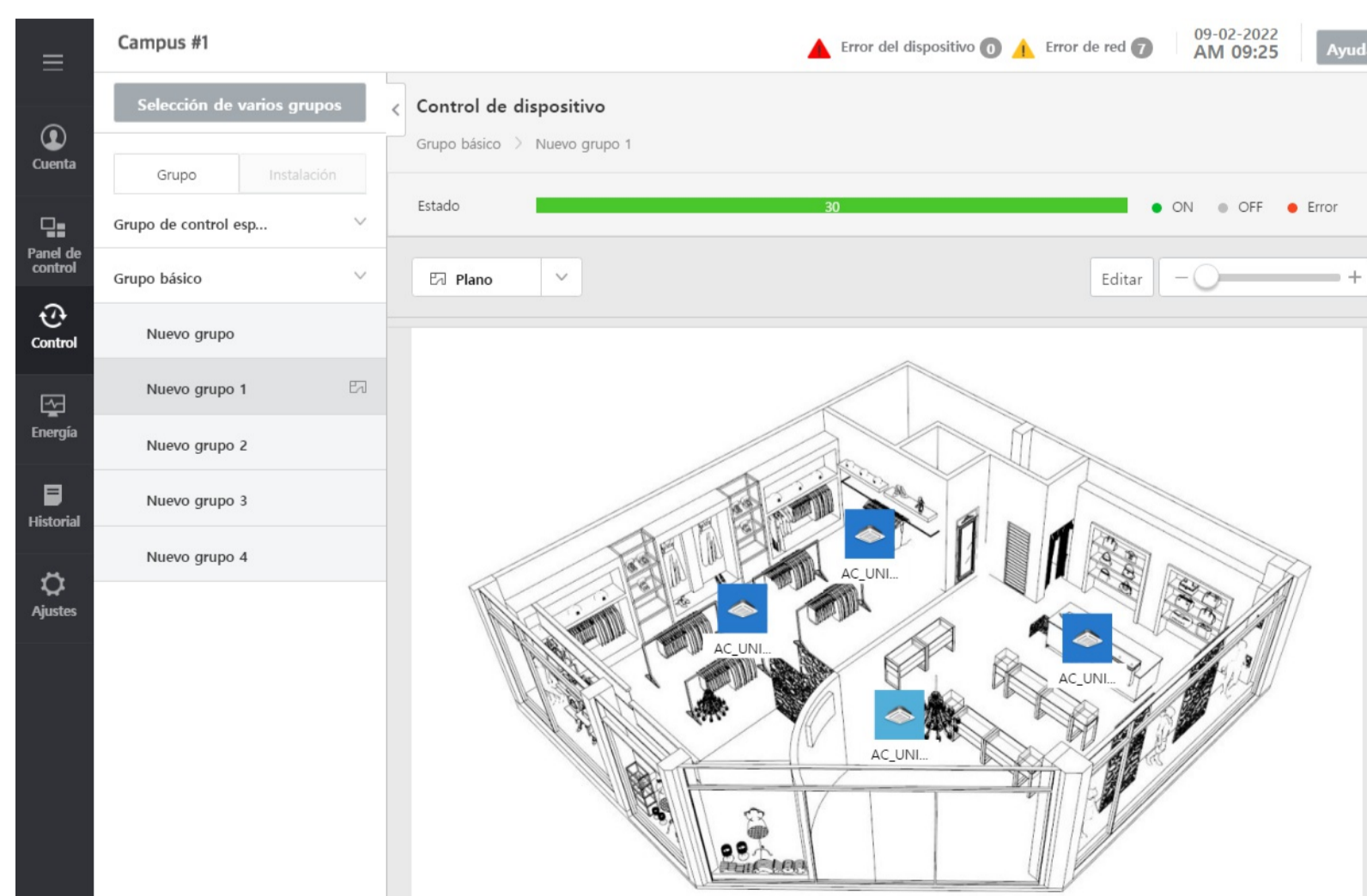


5. Al agregar o cambiar el plano, haga clic en el botón [Añadir plano].

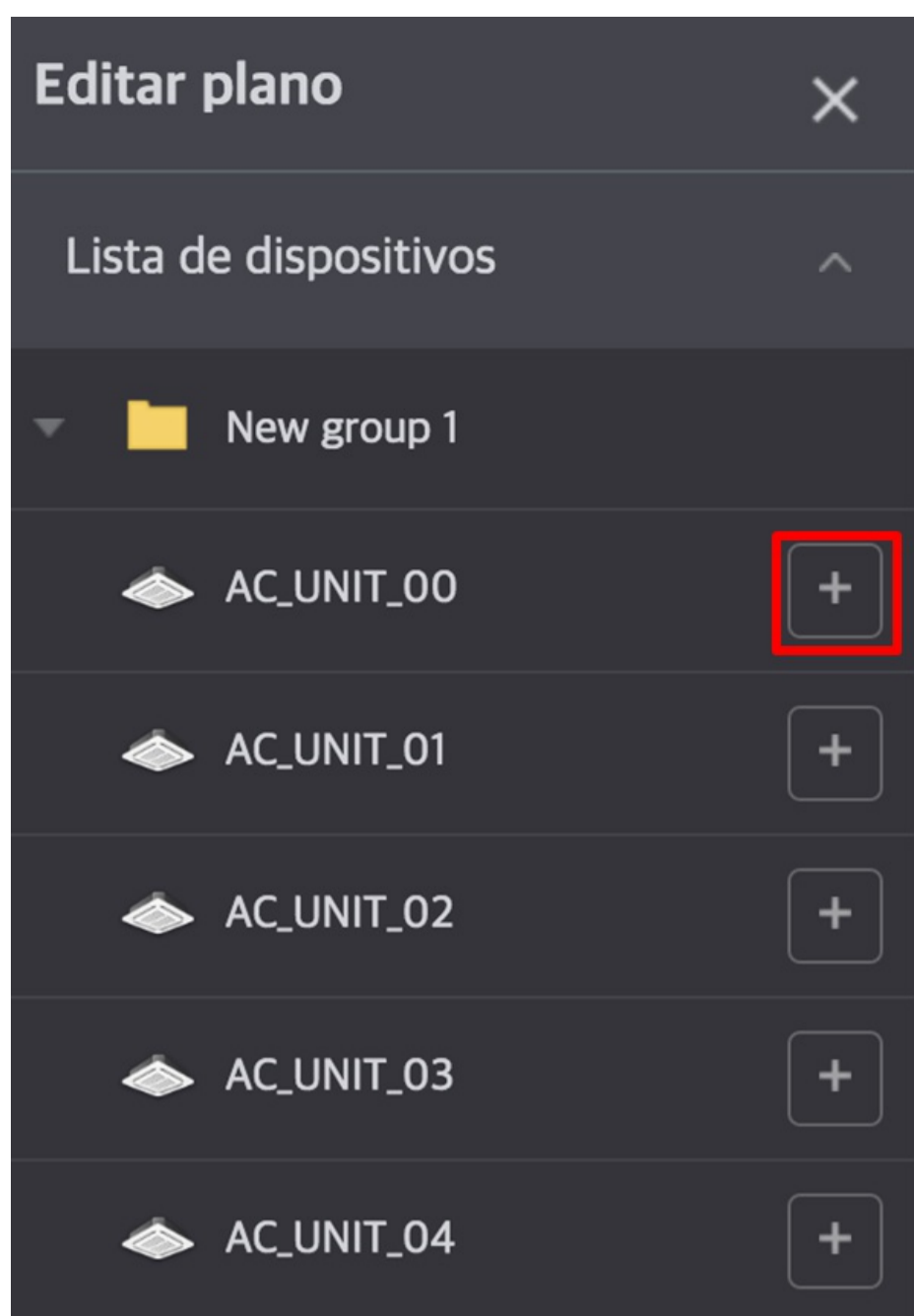


6. Cuando aparezca la ventana de carga de archivo, seleccione el archivo de plano a agregar y haga clic en el botón [Abrir] .

- El plano seleccionado se visualiza en la pantalla de edición del plano.



7. Para agregar un dispositivo en el plano, seleccione el dispositivo deseado en la lista de dispositivos en el lado derecho de la ventana Editar plano, y haga clic en el botón [+]. El dispositivo se añade en la sección del plano.

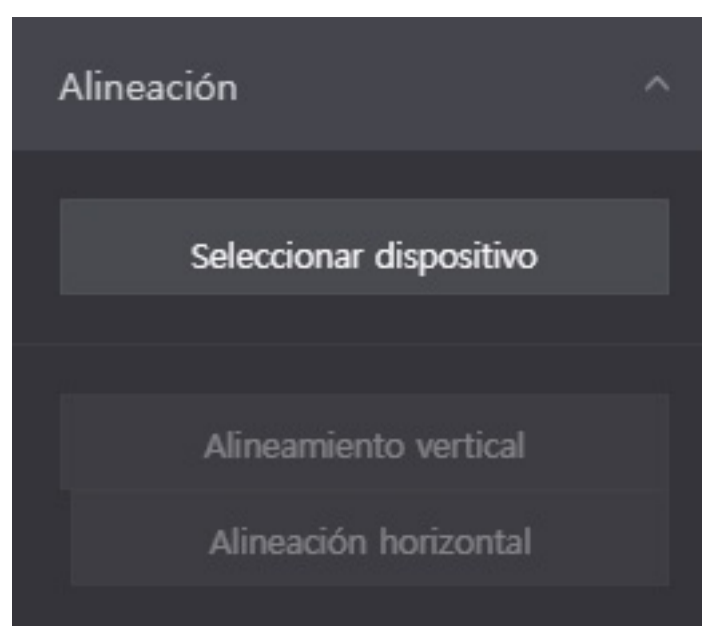


8. Para añadir texto o cambiar el texto en el plano, utilice el cuadro de texto.



Categoría	Descripción
Añadir texto	Añada un cuadro de texto en la sección del plano
Editar texto	Editar texto en cuadro de texto
Estilo	<p><b>T</b> : Letra normal, negrita, cursiva, subrayado</p> <ul style="list-style-type: none"> <li>• <b>T</b> : Mostrar en letra normal</li> <li>• <b>T</b> : Mostrar en letra negrita</li> <li>• <i>T</i> : Mostrar en letra cursiva</li> <li>• <u>T</u> : Mostrar con letra subrayada</li> </ul> <p><b>T</b> : Cambiar el color de la letra</p> <p><b>T</b> : Cambiar el color de fondo de la letra</p>
Tamaño de la letra	<p><b>T</b> ▲ : Letra más grande</p> <p><b>T</b> ▼ : Letra más pequeña</p>

9. Para alinear los iconos del dispositivo en el diagrama, utilice el Cuadro de alineación.



Categoría	Descripción
Seleccionar dispositivo	Seleccione un dispositivo para alinearlo en el diagrama.
Alineación	<div style="display: flex; align-items: flex-start; gap: 10px;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px;">Alineamiento vertical</div> <span>: Alinea los iconos del dispositivo seleccionado en vertical.</span> </div> <div style="display: flex; align-items: flex-start; gap: 10px;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px;">Alineación horizontal</div> <span>: Alinea los iconos del dispositivo seleccionado en horizontal.</span> </div>

10. Una vez realizada la configuración, haga clic en el botón **[Aplicar]**.

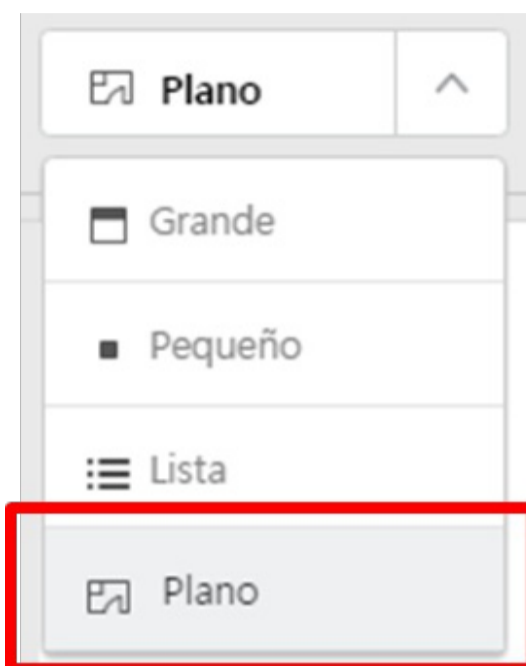
### Nota

- No será posible ver parte de la imagen del plano con una resolución vertical de 1000 px., utilice una imagen de resolución adecuada de acuerdo con la resolución de la pantalla.  
En entornos con una resolución de pantalla de 1920x1080, se recomienda una imagen de 1478x1000 o menos.
- Formato de archivo : jpg, png, bmp / Tamaño máximo : 10MB
- Durante la adición/edición de texto, no se podrán utilizar los símbolos especiales (^, " |w).
- Puede introducir hasta 40 caracteres.
- Un dispositivo AC Smart 5 no admite la función de edición de diagramas.

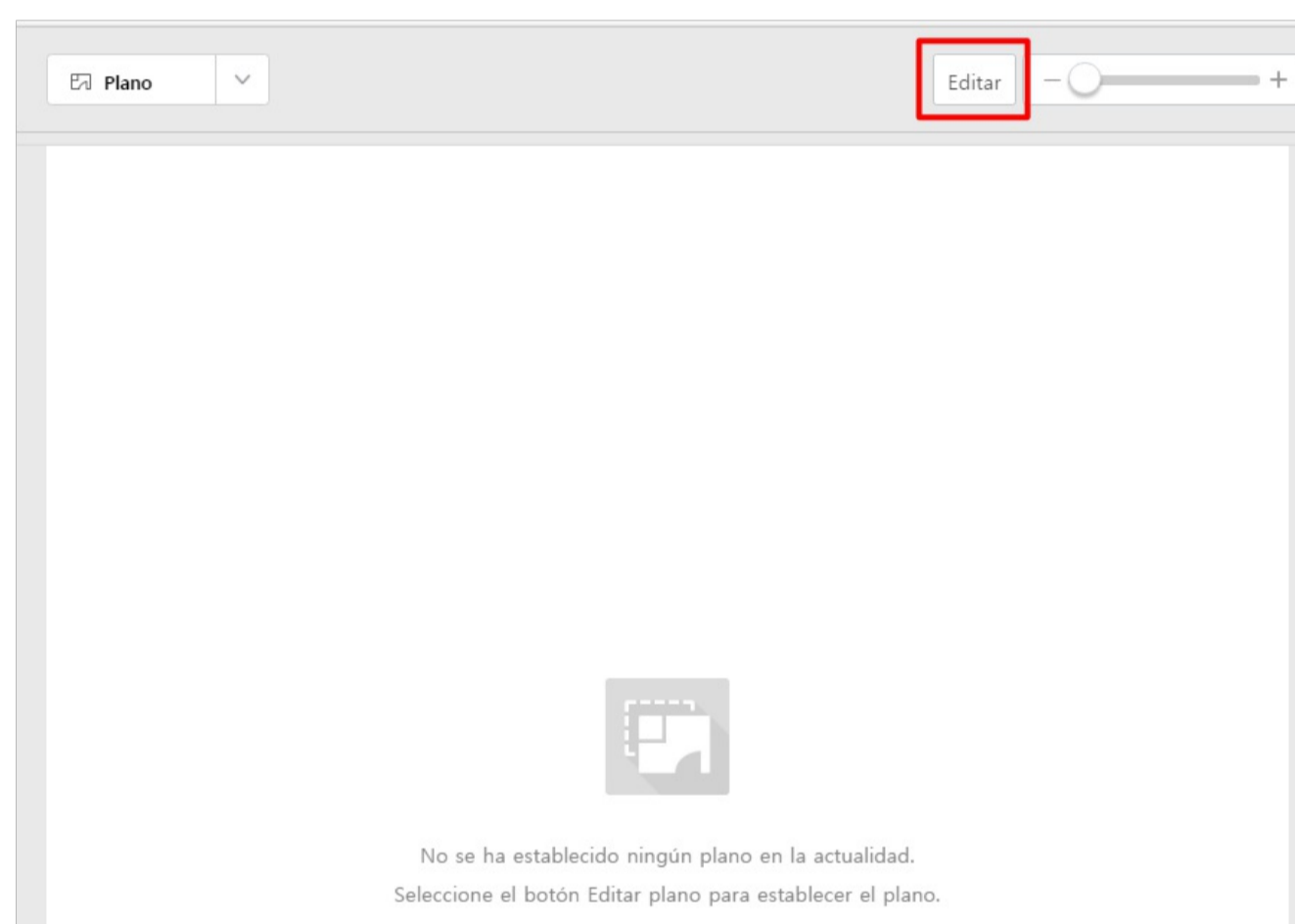
## Borrar plano

Puede borrar el plano añadido.

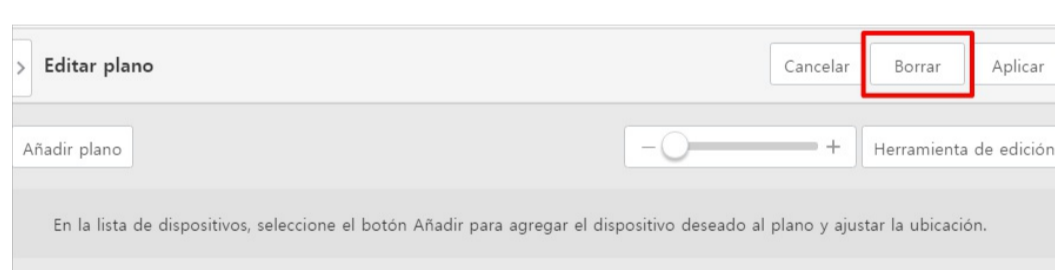
1. En la pestaña de menú de la izquierda, haga clic en **[Control]** > **[control del dispositivo]** .
2. En la sección de la pestaña del grupo de dispositivos, haga clic en **[Grupo]** .
3. En el método de visualización, haga clic en **[Ver plano]**.



4. Haga clic en el botón **[Editar]** .
  - Se muestra la pantalla de Edición del plano.



5. Haga clic en el botón **[Limpiar]** en la parte superior.
  - Se elimina el plano.



## Control de programación

Programar es la función para designar el funcionamiento del dispositivo por adelantado y dejar que el dispositivo realice la función asignada a una hora determinada. Cuando se utiliza esta función, puede administrar de manera eficiente el funcionamiento del dispositivo en el momento de tiempo adecuado para ahorrar energía.

### [Programar]

- Ver la programación completa
- Añadir programa
- Borrar programa
- Copiar programa
- Editar programa

### [Fecha de excepción]

- Cargar fecha de excepción
- Añadir fecha de excepción
- Borrar fecha de excepción

### Nota

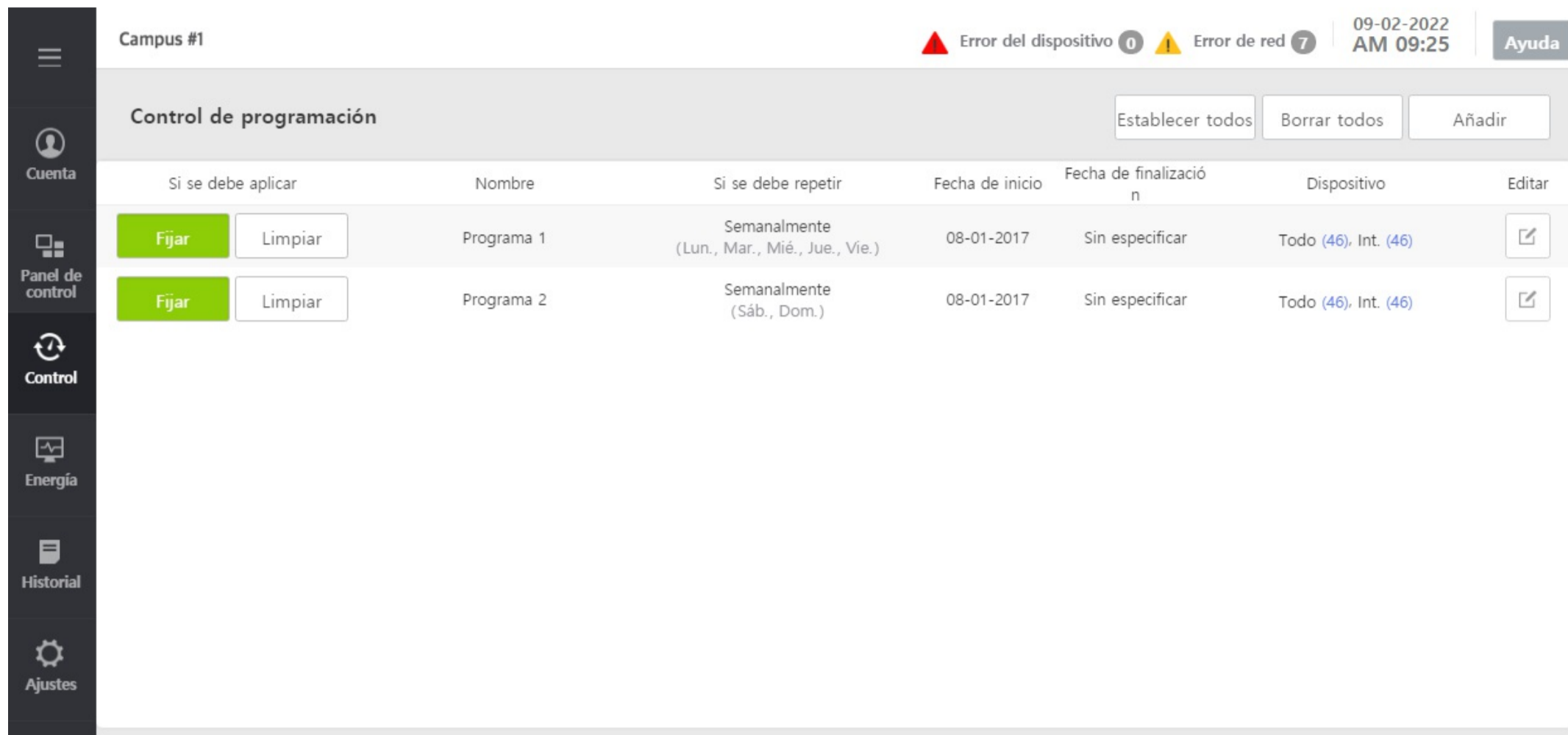
#### Especificaciones recomendadas

- Programación: La cantidad total de eventos incluidos en el programa completo es de 50
- Si se establece con valores superiores a la especificación recomendada, puede producirse una degradación del rendimiento.

## Ver la programación completa



Puede ver la lista de programas en el período establecido.

Puede comprobar la aplicación de la programación, el nombre, si se debe repetir, la fecha de inicio, la fecha de fin y la lista de dispositivos, y **[Establecer]** o **[Eliminar]** la planificación deseada.



**Campus #1** ▲ Error del dispositivo 0 ▲ Error de red 7 09-02-2022 AM 09:25 Ayuda

**Control de programación** Establecer todos | Borrar todos | Añadir

Si se debe aplicar	Nombre	Si se debe repetir	Fecha de inicio	Fecha de finalización	Dispositivo	Editar
<span style="background-color: #4CAF50; color: white; padding: 2px 5px;">Fijar</span> <span style="border: 1px solid #ccc; padding: 2px 5px;">Limpiar</span>	Programa 1	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	08-01-2017	Sin especificar	Todo (46). Int. (46)	
<span style="background-color: #4CAF50; color: white; padding: 2px 5px;">Fijar</span> <span style="border: 1px solid #ccc; padding: 2px 5px;">Limpiar</span>	Programa 2	Semanalmente (Sáb., Dom.)	08-01-2017	Sin especificar	Todo (46). Int. (46)	

**Control**

Energía

Historial

Ajustes

## Añadir programa

Puede agregar una categoría de programación.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la lista de programación, haga clic en **[Añadir]**.
  - Se muestra la pantalla Añadir programación.
3. En el campo de entrada de nombre de la programación, introduzca el nombre de la programación deseada.
4. Establezca si desea repetir la programación.

Categoría	Descripción
Una vez	Aplique la programación correspondiente solamente para un día designado en <b>[Periodo]</b>
Selección del día de la semana	Seleccione el día de la semana deseado para repetir solo el día de la semana correspondiente desde la fecha de inicio hasta la fecha de finalización.

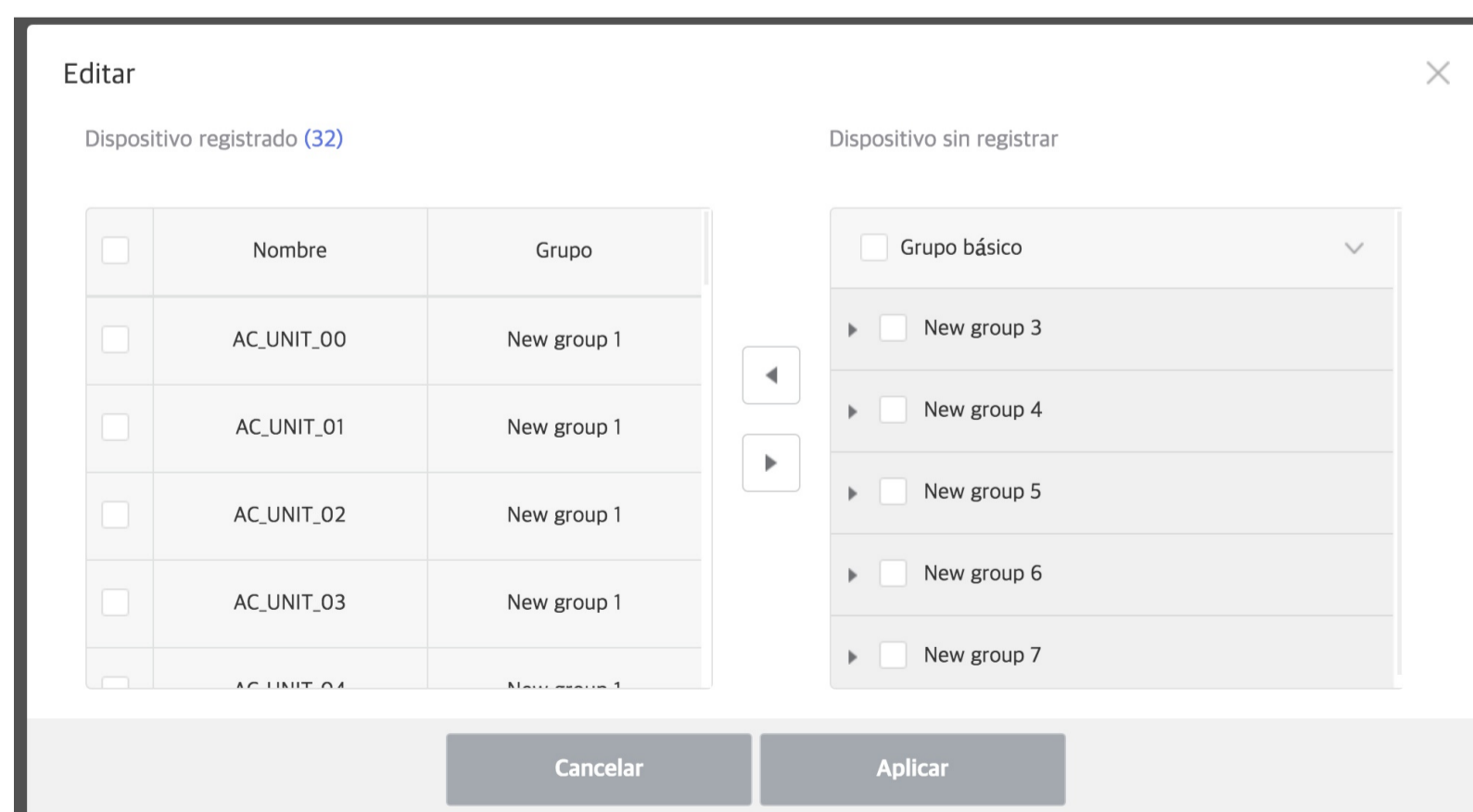
5. Seleccione el período deseado.
  - Cuando la repetición se selecciona como **[Una vez]** , seleccione solamente 1 día
  - Cuando la repetición se selecciona como **[Selección de día de la semana]** , seleccione la fecha de inicio y finalización

Categoría	Descripción
Fecha de inicio	<ul style="list-style-type: none"> <li>• Seleccione la fecha de inicio deseada en el minicalendario.</li> <li>• La fecha de inicio inicial se selecciona como la fecha de hoy</li> </ul>
Fecha de finalización	<ul style="list-style-type: none"> <li>• Seleccione la fecha de finalización deseada en el minicalendario.</li> <li>• No se puede establecer la fecha de finalización antes de la fecha de inicio</li> </ul>
No se ha especificado la fecha final	<ul style="list-style-type: none"> <li>• Aplique la programación en varias ocasiones sin designar la fecha de finalización</li> </ul>

6. Para aplicar la fecha fijada de excepción, haga clic en el botón **[Carga]**.
  - La fecha de excepción establecida en **[Ajustes]-[Ajustes del sistema] Programar ajustes de la fecha de excepción** se actualiza y se muestra en pantalla.
7. Para aplicar la nueva fecha de excepción, haga clic en **[Añadir fecha de excepción]** para establecer el nombre fecha de excepción y la fecha.
8. En la sección de configuración dispositivos, haga clic en **[Editar]**.
  - Se muestra la ventana de edición de dispositivos.



9. En la lista de Dispositivo sin registrar, haga clic en la casilla del dispositivo a registrar, y haga clic en el botón **[◀]**.
  - Para registrar varios grupos a la vez, haga clic en las casillas de verificación de los grupos a registrar y haga clic en el botón **[◀]**.
  - Los dispositivos seleccionados se añaden a la lista de dispositivos registrados.



10. Una vez realizado el registro del dispositivo, haga clic en el botón **[Aplicar]**.
11. Para añadir un evento a la programación, en **Ajuste de programación**, seleccione la pestaña del tipo de dispositivo y haga clic en el botón **[Añadir evento]** o en el botón de edición para establecer el estado de control del dispositivo en el área de control del lado derecho.

Campus #1

Error del dispositivo Error de red 09:22:2022 AM 09:27 Ayuda

✓ Lun. ✓ Mar. ✓ Mié. ✓ Jue. ✓ Vie.  
Sáb. Dom.

Periodo 31-12-2017 ~ 30-12-2018  
No se ha especificado la fecha final

Instalando Editar

Ajuste de programación

Hora	Contenidos	Editar
00:00	Funcionamiento: ON, Limpieza del aire: Fijar,	
05:00	Funcionamiento: OFF, Modo: CALOR, Limpieza del aire: Limpiar,	

Añadir evento

Int. Evento

Hora de Inicio 00 : 00

Funcionamiento ON OFF

Limpieza del aire Fijar Limpiar

Modo FRIO CALOR VENT. DESHU AUTO

Ocupación Ocupado Desocupado

Borrar Copiar

Guardar

12. Una vez realizados los ajustes, haga clic en el botón **[Guardar]**.

13. Una vez realizados los ajustes, haga clic en el botón **[Aplicar]**.

## Borrar programa

Puede eliminar la programación ya registrada.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la lista de programación, haga clic en el botón Editar de la programación que desea eliminar.

The screenshot shows the 'Control de programación' interface for 'Campus #1'. At the top, there are status indicators for 'Error del dispositivo' and 'Error de red', along with the date and time '09-02-2022 AM 09:27' and an 'Ayuda' button. The main area contains a table of schedules with columns for 'Si se debe aplicar', 'Nombre', 'Si se debe repetir', 'Fecha de inicio', 'Fecha de finalización', 'Dispositivo', and 'Editar'. A date range '06-02-2017 ~ 06-02-2018' is selected. The table lists three schedules: 'Schedule' (Diariamente), 'Schedule' (Semanalmente), and 'Schedule-1' (Semanalmente). An 'Edit' modal window is open on the right, showing 'Estado de la programación' with 'Fijar' and 'Limpiar' buttons, 'Repetir' days (Lun., Mar., Mié., Jue., Vie., Sáb., Dom.), 'Fecha de inicio' (29-01-2018), 'Fecha de finalización' (Sin especificar), 'Dispositivo registrado' (Todo (69), Int. (16), HRV (16), AWHP (32), DO (2), EXP.DO (3)), and 'Fecha de excepción' (No). At the bottom of the modal are 'Borrar', 'Copiar', and 'Editar' buttons.

Si se debe aplicar	Nombre	Si se debe repetir	Fecha de inicio	Fecha de finalización	Dispositivo	Editar
Fijar Limpiar	Schedule	Diariamente	29-01-2018	Sin especificar	Todo (69), Int. (16), HRV (16), AWHP (32), DO (2), EXP.DO (3)	[Edit]
Fijar Limpiar	Schedule	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	31-12-2017	30-12-2018	Todo (32), Int. (32)	[Edit]
Fijar Limpiar	Schedule-1	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	31-12-2017	30-12-2018	Todo (32), Int. (32)	[Edit]

3. En el lado derecho de la ventana de Edición, haga clic en el botón **[Limpiar]**.
4. Cuando aparezca una ventana emergente con una notificación, haga clic en el botón **[Verificar]**.

## Copiar programa

Puede copiar y usar la programación registrada.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la lista de programación, haga clic en el botón Editar de la programación que desea copiar.

The screenshot shows the 'Control de programación' interface for 'Campus #1'. At the top, there are status indicators for 'Error del dispositivo' and 'Error de red', along with the date and time '09-02-2022 AM 09:27' and an 'Ayuda' button. The main area contains a table of schedules with columns: 'Si se debe aplicar', 'Nombre', 'Si se debe repetir', 'Fecha de inicio', 'Fecha de finalización', 'Dispositivo', and 'Editar'. The table lists three schedules: 'Schedule' (Diariamente), 'Schedule' (Semanalmente), and 'Schedule-1' (Semanalmente). A date range '06-02-2017 ~ 06-02-2018' is selected. On the right, a 'Schedule' modal window is open, showing 'Estado de la programación' with 'Fijar' and 'Limpiar' buttons, 'Repetir' options (Lun., Mar., Mié., Jue., Vie., Sáb., Dom.), 'Fecha de inicio' (29-01-2018), 'Fecha de finalización' (Sin especificar), 'Dispositivo registrado' (Todo (69), Int. (16), HRV (16), AWHP (32), DO (2), EXP.DO (3)), and 'Fecha de excepción' (No). At the bottom of the modal are 'Borrar', 'Copiar', and 'Editar' buttons.

Si se debe aplicar	Nombre	Si se debe repetir	Fecha de inicio	Fecha de finalización	Dispositivo	Editar
Fijar Limpiar	Schedule	Diariamente	29-01-2018	Sin especificar	Todo (69), Int. (16), HRV (16), AWHP (32), DO (2), EXP.DO (3)	[Editar]
Fijar Limpiar	Schedule	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	31-12-2017	30-12-2018	Todo (32), Int. (32)	[Editar]
Fijar Limpiar	Schedule-1	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	31-12-2017	30-12-2018	Todo (32), Int. (32)	[Editar]

3. En el lado derecho de la ventana de Edición, haga clic en el botón **[Copiar]**.
4. Cuando aparezca una ventana emergente con una notificación, haga clic en el botón **[Verificar]**.

## Editar programa

Puede cambiar el contenido de la programación ya registrada.

1. En la pestaña del menú de la izquierda, haga clic en **[Control]** > **[Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la lista de programación, haga clic en el botón Editar de la programación que desea editar.

The screenshot displays the 'Control de programación' interface for 'Campus #1'. At the top, there are status indicators for 'Error del dispositivo' and 'Error de red', along with the date and time '09-02-2022 AM 09:27' and an 'Ayuda' button. The main area shows a table of schedules with columns for 'Si se debe aplicar', 'Nombre', 'Si se debe repetir', 'Fecha de inicio', 'Fecha de finalización', 'Dispositivo', and 'Editar'. A date range '06-02-2017 ~ 06-02-2018' is selected. The table contains three rows of schedule data. A modal window titled 'Schedule' is open on the right, showing the 'Estado de la programación' (Fijar, Limpiar), 'Repetir' (Lun., Mar., Mié., Jue., Vie., Sáb., Dom.), 'Fecha de inicio' (29-01-2018), 'Fecha de finalización' (Sin especificar), 'Dispositivo registrado' (Todo (69), Int. (16), HRV (16), AWHP (32), DO (2), EXP.DO (3)), and 'Fecha de excepción' (No). The modal also includes 'Borrar', 'Copiar', and 'Editar' buttons.

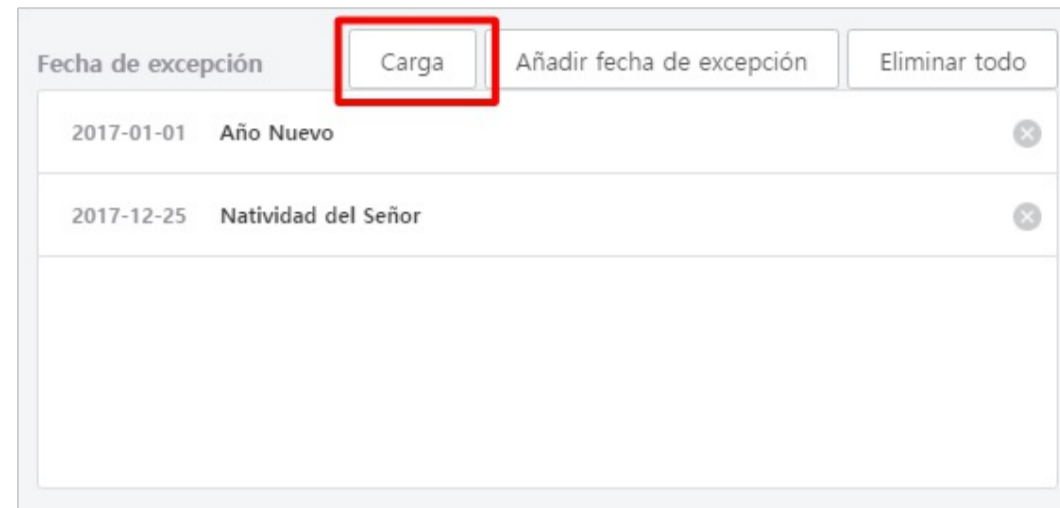
Si se debe aplicar	Nombre	Si se debe repetir	Fecha de inicio	Fecha de finalización	Dispositivo	Editar
Fijar Limpiar	Schedule	Diariamente	29-01-2018	Sin especificar	Todo (69), Int. (16), HRV (16), AWHP (32), DO (2), EXP.DO (3)	[Editar]
Fijar Limpiar	Schedule	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	31-12-2017	30-12-2018	Todo (32), Int. (32)	[Editar]
Fijar Limpiar	Schedule-1	Semanalmente (Lun., Mar., Mié., Jue., Vie.)	31-12-2017	30-12-2018	Todo (32), Int. (32)	[Editar]

3. En el lado derecho de la ventana de Edición, haga clic en el botón **[Editar]**.
4. Editar el contenido de la programación.
  - Para comprobar el contenido con detalle, compruebe la categoría "Añadir programación".

## Cargar fecha de excepción

Puede cargar una fecha de excepción ya configurada.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la lista de programación, haga clic en **[Añadir]**.
  - Se muestra la pantalla Añadir programación.
3. Para aplicar la fecha fijada de excepción, haga clic en el botón **[Carga]**.
  - La fecha de excepción establecida en **[Ajustes]-[Ajustes del sistema] Programar ajustes de la fecha de excepción** se actualiza y se muestra en pantalla.



## Añadir fecha de excepción

Puede añadir una nueva fecha excepción.

1. En la pestaña del menú de la izquierda, haga clic en **[Control]** > **[Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la lista de programación, haga clic en **[Añadir]**.
  - Se muestra la pantalla Añadir programación.
3. Para aplicar la fecha fijada de excepción, haga clic en el botón **[Añadir fecha de excepción]**.
  - Se muestra la pantalla Agregar fecha de excepción.

Añadir fecha de excepción ✕

**Ajustar fecha de excepción**

Nombre

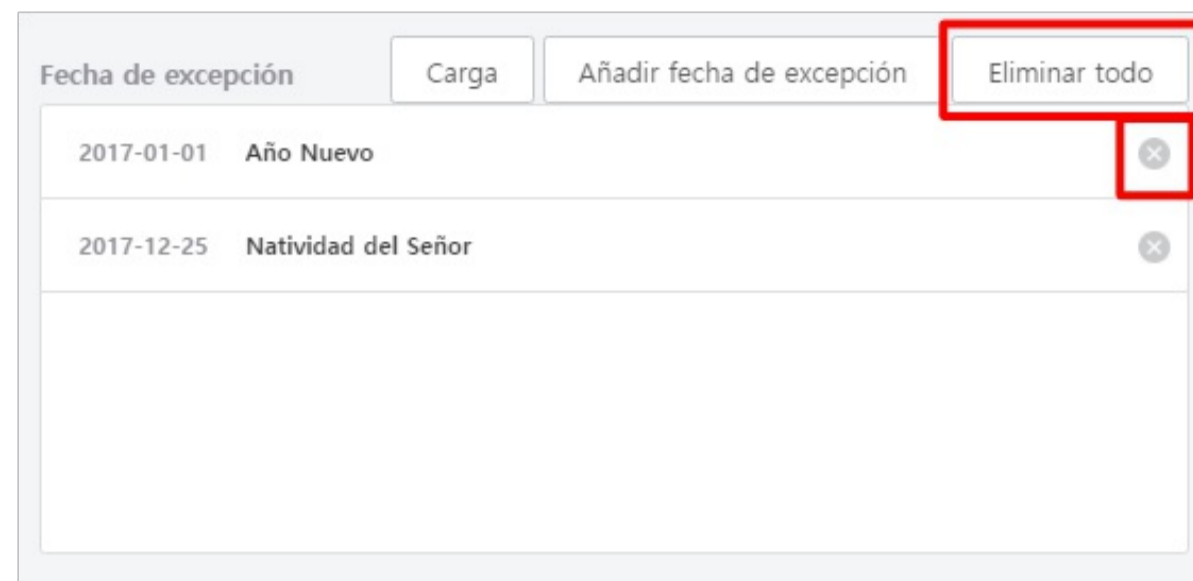
2017 Enero						
«		<		>		»
LUN.	MAR.	MIÉ.	JUE.	VIE.	SÁB.	DOM.
26	27	28	29	30	31	01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	01	02	03	04	05

4. Introduzca el nombre de la fecha de excepción deseada.
5. Seleccione la fecha excepción a establecer.
6. Una vez realizada la selección, haga clic en el botón **[Aplicar]**.

## Borrar fecha de excepción

Puede eliminar una fecha de excepción ya registrada.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control de la programación]** .
  - Se muestra la pantalla de control de programación.
2. En la pantalla Editar programación, haga clic en el botón **[X]** para borrar la fecha de excepción.
  - Para borrar toda la categoría, haga clic en el botón **[Eliminar todo]**.





## Interbloqueo

El Bloqueo es la función para conectar con uno o más equipos y para controlar el funcionamiento de salida cuando se cumple la condición de entrada. Para el control de la interfaz de equipo, es necesario agrupar los equipos en una interfaz común en un grupo y aplicar el ajuste de control. Describe el método para crear y gestionar el método de grupo y el método de Bloqueo.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Interbloqueo]** .

- Se muestra la pantalla de Interbloqueo.

Tipo	Nombre	Dirección	Grupo	Estado
Int.	AC_UNIT_00	00	New group 1	Funcionamiento(ON) Modo(FRIO)

Tipo	Nombre	Dirección	Grupo	Estado
Int.	AC_UNIT_01	01	New group 1	Funcionamiento(ON) Modo(AUTO)
Int.	AC_UNIT_02	02	New group 1	Funcionamiento(ON) Modo(AUTO)

2. En la lista de grupos, seleccione el grupo para comprobar los ajustes.

- El estado de la configuración del grupo correspondiente se visualiza en la pantalla.

3. En la lista de grupos, cuando hace clic en el botón **[Establecer]** / **[Eliminar]** botón, se puede establecer el funcionamiento de la Interbloqueo.

4. Para iniciar todo el grupo registrado, haga clic en el botón **[Establecer todos]** y para detener todo, haga clic en **[Borrar todos]** .

### Nota

#### Especificaciones recomendadas

- Control de la interfaz del equipo: El número de patrones es 20, el número de dispositivos de entrada es 500 y el número de dispositivos de salida es 1000
- Si se establece con valores superiores a la especificación recomendada, puede producirse una degradación del rendimiento.

## Añadir/editar Interbloqueo

Puede añadir y editar Interbloqueo.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Interbloqueo]** .

- Se muestra la pantalla de Interbloqueo.

2. Haga clic en el botón **[+ Añadir]**.

- Se muestra la pantalla de control de Añadir Interbloqueo.

Interbloqueo > Editar control de Interbloqueo Borrar Cancelar Aplicar

Nombre de la Interbloqueo:

Patrón general  Patrón del comando de control de salida que se ejecuta cuando se cumple la condición determinada  Permitir control de usuario

Condición de entrada: Iniciar salida inmediatamente | Condición de salida 1: Iniciar salida inmediatamente

Estado:  Y  O  NAND  NOR

Tiempo de mantenimiento:  Cancelar  Ajustes   después

Int. (2)

Nombre	Dirección	Grupo	Estado	
AC_UNIT_00	00	New group 1	Funcionamiento(ON) Modo(FRIO)	<input type="button" value="de lote"/> <input type="button" value="Condición"/>
AC_UNIT_01	01	New group 1	Funcionamiento(OFF) Modo(CALOR)	<input type="button" value="Condición"/>

3. En el campo de entrada de nombre de la Interbloqueo, introduzca el nombre de la Interbloqueo deseada.

4. Seleccionar tipo de patrón.

Categoría	Descripción
Patrón general	<ul style="list-style-type: none"> <li>Patrón del comando de control de salida que se ejecuta cuando se cumple la condición determinada</li> </ul>
Copiar patrón	<ul style="list-style-type: none"> <li>Patrón que envía el dispositivo al recibir el estado del dispositivo (Algunas funciones de control pueden no copiarse).</li> <li>Puede añadir solo un dispositivo a la condición de entrada, y solo se registra el dispositivo con los mismos atributos que el dispositivo de entrada añadido.</li> </ul>
Patrón de emergencia	<ul style="list-style-type: none"> <li>Patrón que reconoce una situación de emergencia cuando se cumple la condición de entrada</li> <li>Cuando se cumple la condición de entrada, se comunica la alarma por medio de la pantalla y emitiendo un sonido.</li> </ul>
Patrón 1:1	<ul style="list-style-type: none"> <li>Patrón para registrar con facilidad varios dispositivos si el dispositivo de entrada es el mismo que el dispositivo de salida</li> </ul>

5. Seleccione si se desea permitir el control del usuario. (Solamente se admite el patrón general)

- Cuando se selecciona esta casilla de verificación, incluso si el estado se cambia mediante la Interbloqueo, el usuario podrá cambiar el estado de los equipos.

6. Configurar la condición de la interfaz del equipo. Cuando presiona el botón [+], puede añadir hasta 3 condiciones de salida.

- Sólo aparece cuando se selecciona la pestaña de condición de entrada.

Categoría	Descripción
Estado	<ul style="list-style-type: none"> <li>Y: todas las condiciones del dispositivo coinciden</li> <li>O: coinciden una o más condiciones del dispositivo</li> <li>NY: una o más condiciones del dispositivo no coinciden</li> <li>NO: ninguna condición coincide</li> </ul>
Tiempo de mantenimiento	Si se ha configurado, mientras se cumplen todas las condiciones de entrada, se controlan las condiciones de salida tras el tiempo de mantenimiento Pulse el botón [▼] para seleccionar el tiempo de mantenimiento

- Sólo aparece cuando se selecciona la pestaña de condición de salida.

Categoría	Descripción
Enviar correo electrónico	Cuando se selecciona esta casilla de verificación, si se ejecuta el evento correspondiente en ACP, el evento se envía a la dirección de correo electrónico establecido en Configuración del sistema > Ajustes del administrador > Dirección de correo electrónico de recepción <ul style="list-style-type: none"> <li>El ACP debe estar conectado a la red de Internet que puede enviar el correo electrónico.</li> </ul>
Tiempo de retardo	Si está configurado, cuando se cumple la condición de entrada, la condición de salida se controla después del tiempo de retardo registrado Pulse el botón [▼] para seleccionar el tiempo de retardo <ul style="list-style-type: none"> <li>Si se cumple la condición de entrada, incluso si se convierte en un estado que no cumple con la condición de entrada durante el tiempo de retardo, la condición de salida se controla después del tiempo de retardo.</li> </ul>

7. Para añadir un dispositivo, haga clic en [Editar] .

- Aparecerá la ventana emergente Editar unidad.

8. En la lista de dispositivos seleccionables, haga clic en la casilla del dispositivo a registrar, y haga clic en el botón[◀].

- Para registrar varios grupos a la vez, haga clic en las casillas de verificación de los grupos a registrar y haga clic en el botón[◀].
- Los dispositivos seleccionados se añaden a la lista de dispositivos registrados.

Dispositivo registrado (16)

<input type="checkbox"/>	Dirección	Nombre	Grupo
<input type="checkbox"/>	10	AC_UNIT_1_0	Nuevo grupo 1
<input type="checkbox"/>	11	AC_UNIT_1_1	Nuevo grupo 1
<input type="checkbox"/>	12	AC_UNIT_1_2	Nuevo grupo 1
<input type="checkbox"/>	13	AC_UNIT_1_3	Nuevo grupo 1
<input type="checkbox"/>	...	AC_UNIT_1	Nuevo grupo

Dispositivo seleccionable (184)

AC Smart

- AC Smart
- ▶  ODU[00]
- ▼  ODU[01]
- ▶  ODU[02]
- ▶  ODU[03]

Cancelar Aplicar

9. Una vez realizado el registro del dispositivo, haga clic en el botón **[Aplicar]**.

10. Haga clic en el botón de **[Estado]** del dispositivo.

Estado  Y: todas las condiciones del dispositivo coinciden  O: coinciden una o más condiciones del dispositivo

Int. (2) Editar

Nombre	Dirección	ACP	Grupo	Estado	de lote
AC_UNIT_10	10	ACP IV	Nuevo grupo 1	Funcionamiento (ON) Error (Normal) Modo (CALOR)	Condición
AC_UNIT_11	11	ACP IV	Nuevo grupo 1	Funcionamiento (ON) Error (Normal) Modo (CALOR)	Condición

11. En la sección de la ventana de control de lado derecho, establezca el estado de control deseado.

12. Seleccione la pestaña condición de salida, y realice los procesos del 7 al 11, uno a uno.

13. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.

### Nota

#### Significado de las condiciones de olor por nivel

- Valor de referencia 2 : Débil
- Valor de referencia 4 : Aceptable
- Valor de referencia 5 : Fuerte
- Valor de referencia 6 : Muy fuerte

## Borrar la Interbloqueo

Puede eliminar una registrada Interbloqueo.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Interbloqueo]** .
  - Se muestra la pantalla de Interbloqueo.
2. En la lista de control de Interbloqueo, seleccione el grupo que desea eliminar y haga clic en el botón **[Eliminar]**.
3. Cuando aparezca la ventana de confirmación de eliminación de la Interbloqueo, haga clic en el botón **[Sí]**.
  - En la lista de control de Interbloqueo, se elimina la categoría seleccionada.

## Control del límite de tiempo

Puede controlar el dispositivo para que funcione durante el tiempo establecido y se detenga automáticamente.

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control del límite de tiempo]**.
2. En la lista de grupos, seleccione el grupo para comprobar los ajustes.
  - El estado de la configuración del grupo correspondiente se visualiza en la pantalla.
3. En la lista de grupos, puede hacer clic en el botón **[Establecer] / [Eliminar]** para establecer el límite de funcionamiento.
4. Para iniciar todo el grupo registrado, haga clic en el botón **[Establecer todos]** y para detener todo, haga clic en **[Borrar todos]**.

Tipo	Nombre	Dirección	Tiempo de uso	Tiempo pend...	Funcionamien...	Temperatura ...	Fijar Tempera...	Modo	Agua caliente	Grupo
Int.	IDU_00	00	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_01	01	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_02	02	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_03	03	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_04	04	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_05	05	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_06	06	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_07	07	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_08	08	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00
Int.	IDU_09	09	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* FRIO	-	Group_00

### Nota

#### Especificaciones recomendadas

- Operación de tiempo limitado: El número de grupos es 10
- Si se establece con valores superiores a la especificación recomendada, puede producirse una degradación del rendimiento.

## Añadir/editar grupo de límite de funcionamiento continuado

Puede añadir y editar el grupo de límite de funcionamiento continuado

1. En la pestaña del menú de la izquierda, haga clic en **[Control] > [Control del límite de tiempo]**.
  - Se muestra la pantalla de límite del funcionamiento continuado.
2. Haga clic en el botón **[+ Añadir nuevo grupo]**.
  - Se muestra la pantalla Añadir nuevo grupo.
  - Durante el proceso de edición, cuando selecciona el grupo para editar y hace clic en el botón **[Editar]**, se muestra la siguiente pantalla.

Campus #1 Error del dispositivo 0 Error de red 0 09-02-2022 AM 09:25 Ayuda

Control del límite de tiempo > **Añadir nuevo grupo** Cancelar Aplicar

Nombre del grupo

Tiempo de funcionamiento continuo


Día de la semana aplicado  Lun.  Mar.  Mié.  Jue.  Vie.  Sáb.  Dom.

Hora de aplicación  Todo el día  Ajuste de sección

Hora de inicio  :

Hora de finalización  :

Dispositivo registrado Editar

Tipo	Nombre	Dirección	Grupo
 <p>No hay ningún dispositivo registrado. Registre el dispositivo seleccionando el botón Editar dispositivo.</p>			

- Introducir nombre de grupo.
- Seleccione el tiempo de funcionamiento continuo, los días de la semana de aplicación y la hora de aplicación.

Categoría	Descripción
Rango de tiempo de funcionamiento continuo	<ul style="list-style-type: none"> <li>Pulse el botón [▼] y configure el tiempo de operación continuada que desee (1 hora~ 4 horas)</li> </ul>
Día de la semana a aplicar	<ul style="list-style-type: none"> <li>Seleccione la casilla de verificación para seleccionar los días de la semana para ejecutar la operación de límite de tiempo</li> </ul>
Hora de aplicación	<p>Marque la casilla para seleccionar la hora e iniciar el funcionamiento de tiempo limitado.</p> <ul style="list-style-type: none"> <li>Todo el día: se inicia un funcionamiento de tiempo limitado durante 24 horas.</li> <li>Definir periodo: se inicia un funcionamiento de tiempo limitado desde la hora de inicio hasta la hora de fin definidas por el usuario.</li> </ul>

- Para añadir un dispositivo, haga clic en **[Editar]** .
  - Aparecerá la ventana emergente Editar unidad.

Editar X

Dispositivo registrado (16)

<input type="checkbox"/>	Tipo	Nombre	Grupo
<input type="checkbox"/>	Int.	AC_UNIT_3_0	Nuevo grup o 3
<input type="checkbox"/>	Int.	AC_UNIT_3_1	Nuevo grup o 3
<input type="checkbox"/>	Int.	AC_UNIT_3_2	Nuevo grup o 3
<input type="checkbox"/>	Int.	AC_UNIT_3_3	Nuevo grup o 3
<input type="checkbox"/>	...	AC UNIT 3	Nuevo arup

Dispositivo seleccionable (70)

- ACP
- ODU[00]
- ODU[04]
- ODU[05]
- ODU[06]

- En la lista de dispositivos seleccionables, haga clic en la casilla del dispositivo a registrar, y haga clic en el botón[◀].
  - Para el control del tiempo limitado, puede registrar todos los dispositivos excepto DI, DO, ACTIVAR/DESACTIVAR, refrigerador, y dispositivo E/S export.
  - Para registrar varios grupos a la vez, haga clic en las casillas de verificación de los grupos a registrar y haga clic en el botón[◀].
  - Los dispositivos seleccionados se añaden a la lista de dispositivos registrados.
- Una vez realizado el registro del dispositivo, haga clic en el botón **[Aplicar]**.
- Haga clic en el botón **[Aplicar]** en la parte superior.

## Control del límite de tiempo

Puede eliminar el grupo de límite de tiempo de funcionamiento continuado

- En la pestaña del menú de la izquierda, haga clic en **[Control]** > **[Control del límite de tiempo]**.

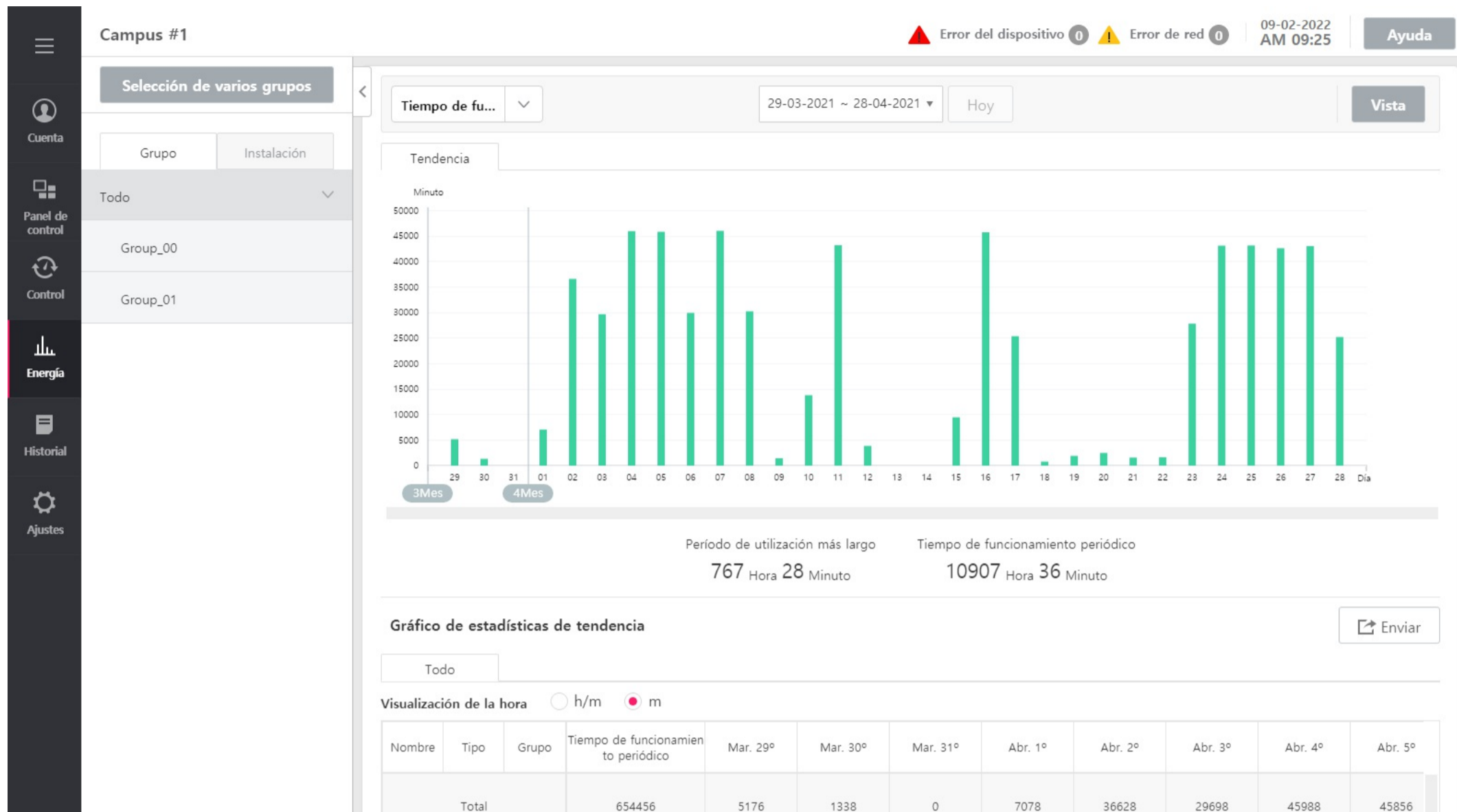
- Se muestra la pantalla de límite del funcionamiento continuado.
2. En la lista de control, seleccione el grupo que desea eliminar y haga clic en el botón **[Eliminar]**.
  3. Cuando aparezca la ventana de confirmación de eliminación del grupo, haga clic en el botón **[Sí]**.

## Uso energético

Describe el método para comprobar el tiempo de funcionamiento del dispositivo, la cantidad de consumo de electricidad, la cantidad de consumo de electricidad(cantidad total a lo largo del tiempo), cantidad de uso de gas, TOE y CO<sub>2</sub> con valores y gráficos.

1. En la pestaña del menú de la izquierda, haga clic en **[Energía] > [Uso energético]**.

- Se muestra la pantalla cantidad de uso de energía.



2. En la lista de grupos, seleccione el grupo a visualizar.

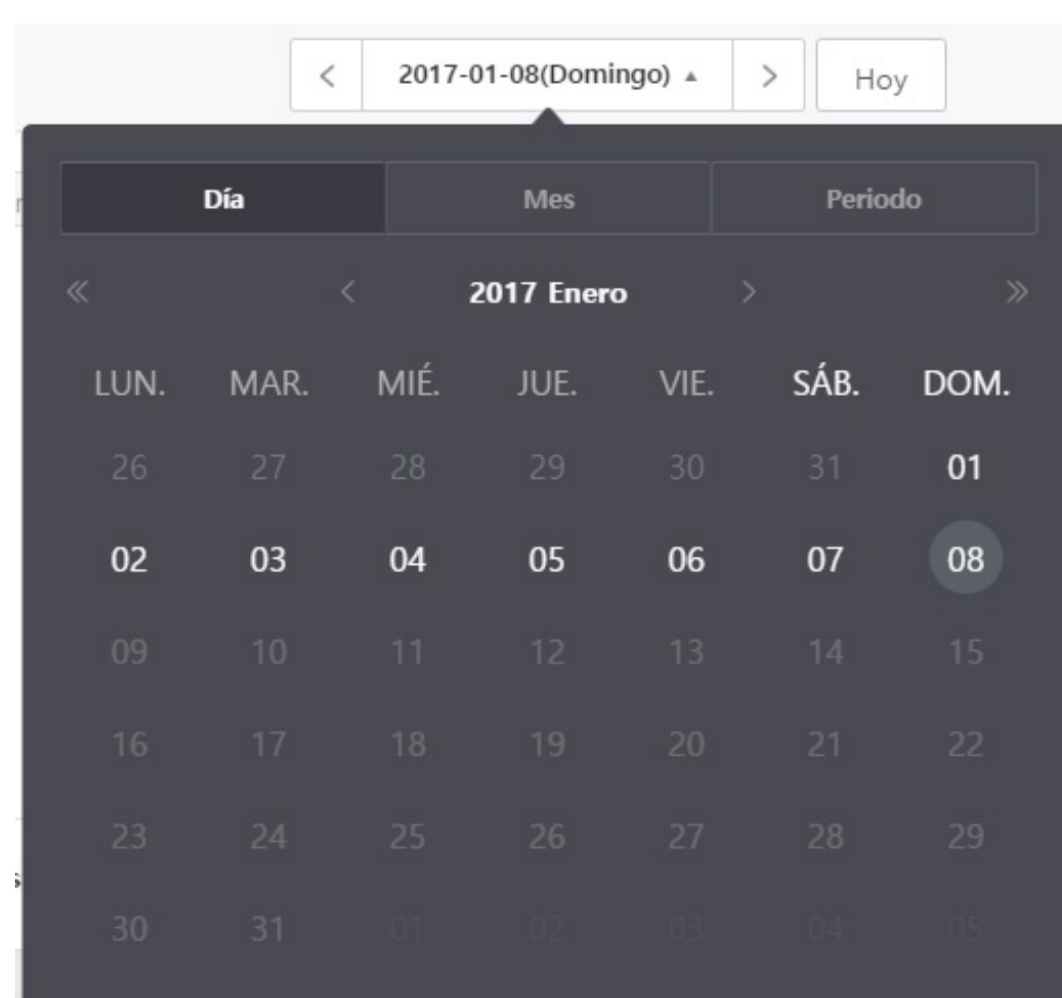
3. En el cuadro del lado izquierdo superior, seleccione la categoría para ver.

**Tiempo de funcionamiento** ^

- Tiempo de funcionamiento
- Electricidad
- Electricidad (cantidad total a lo largo del tiempo)
- Gas
- TOE
- CO<sub>2</sub>

4. Seleccione el período de visualización.

Categoría	Descripción
Día	Seleccione el día deseado en el mini calendario
Mes	Seleccione el mes deseado en el mini calendario
Período	Seleccione el período deseado en el mini calendario
Hoy	Seleccione la fecha de hoy como fecha de referencia



5. Para guardar los contenidos seleccionados, haga clic en el botón **[Vista]**.

- Se muestra la cantidad de energía utilizada en ese período.
- Para guardar los contenidos visualizados, haga clic en el botón **[Enviar]**.

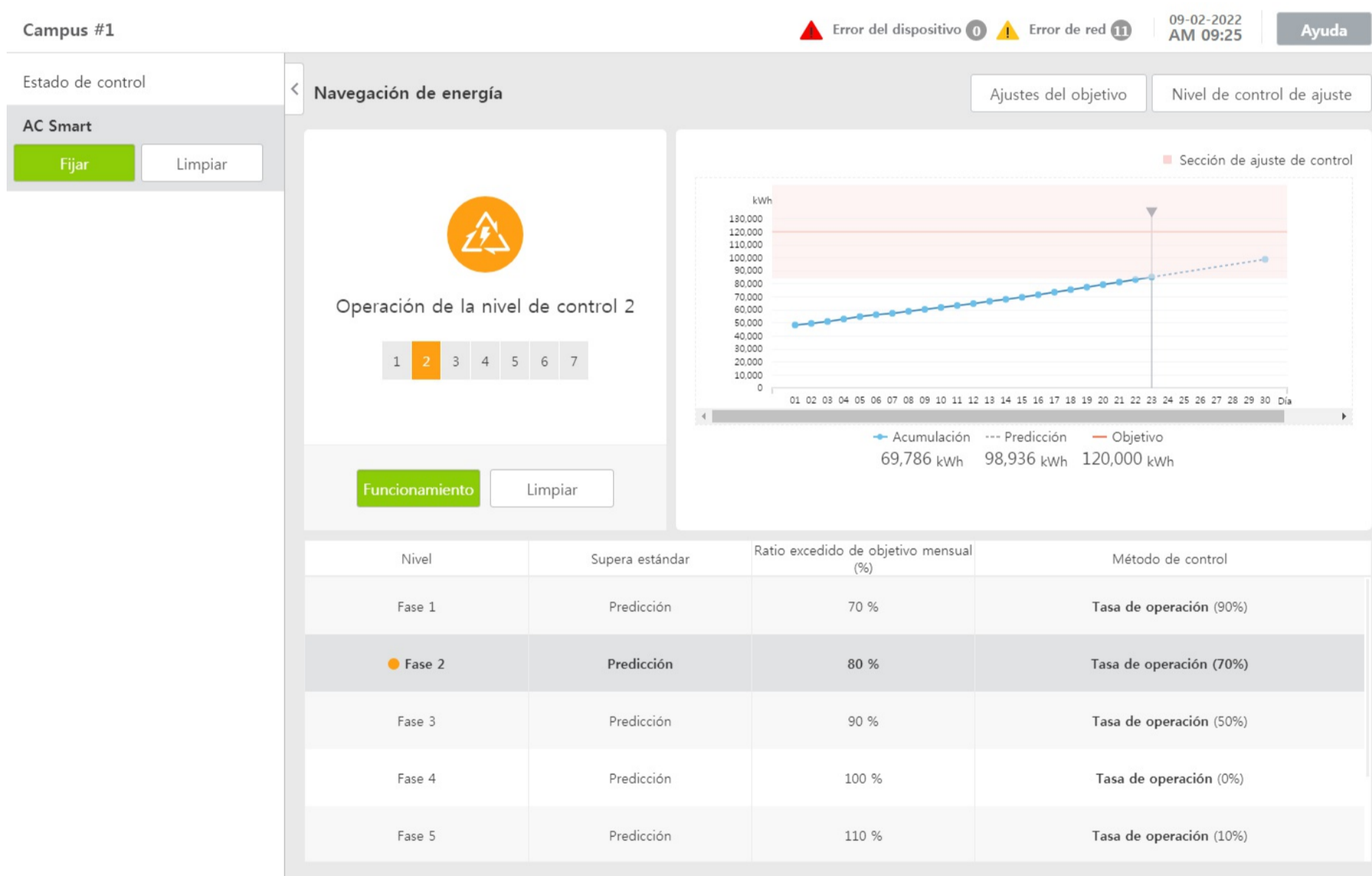
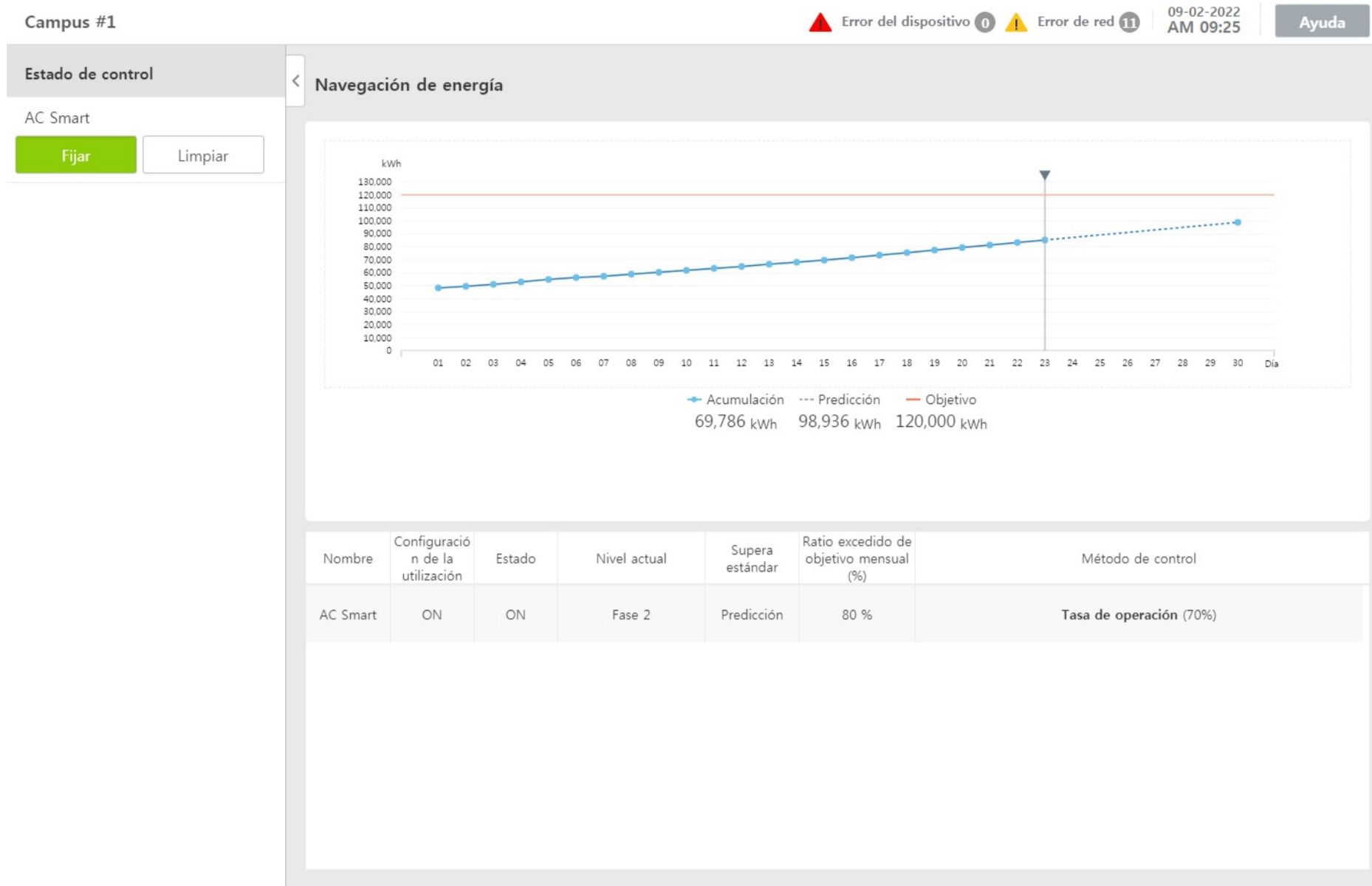
(En el dispositivo AC Smart 5, se almacena en el dispositivo USB).

## Nota

- Solamente se puede ver la energía con el PDI instalado.
- Si se ha instalado PDI, la unidad interior, la ERV DX y la Heating dirección se deben configurar para evitar la superposición.
- La cantidad de consumo de energía mostrada en el programa puede ser un poco diferente a la cantidad de consumo de alimentación marcada en la factura real.
- En [Ajustes]-[Instalando], solamente se puede controlar un ACP con [Electricidad] activada.
- Solamente se puede ver el gas con el GDI instalado.
- La cantidad de consumo de gas mostrada en el programa puede ser un poco diferente a la cantidad de consumo de gas marcada en la factura real.
- El [Ajustes]-[Instalando], solamente se puede controlar ACP con [Gas] configurado.
- El monitor de energía guarda solamente los datos del último año.
- Se proporcionan datos horarios de un máximo de tres meses.

## Navegación de energía

La Navegación de energía es la función que puede controlar [Capacidad]/[Tasa de operación]/[Int.] para cada nivel dependiendo de las predicciones de uso de energía y la cantidad actual para poder gestionar el consumo mensual por debajo de la cantidad objetivo.



## Añadir cantidad objetivo

Puede añadir la cantidad objetivo de navegación de energía.

1. En la pestaña del menú de la izquierda, haga clic en [Energía] > [Navegación de energía] .
2. En la pestaña de estado de control, haga clic en el grupo para agregar un nueva cantidad objetivo.
3. Haga clic en el botón [Fijar del objetivo] en la parte superior derecha.
  - Aparece la ventana de Ajuste de cantidad objetivo.

**Gestión del objetivo de energía(AC Smart)** Cancelar Aplicar

Método de int...  Entrada directa  Disminuir la relación en comparación con el año anterior

Cantidad objetivo mensual Disminuir la relación

Introducción ...  Aplicar

Mes	Valor objetivo	Mes	Valor objetivo
1Mes	<input type="text" value="100000"/>	7Mes	<input type="text" value="100000"/>
2Mes	<input type="text" value="100000"/>	8Mes	<input type="text" value="100000"/>
3Mes	<input type="text" value="100000"/>	9Mes	<input type="text" value="100000"/>
4Mes	<input type="text" value="100000"/>	10Mes	<input type="text" value="100000"/>
5Mes	<input type="text" value="100000"/>	11Mes	<input type="text" value="100000"/>
6Mes	<input type="text" value="100000"/>	12Mes	<input type="text" value="100000"/>

Total 1200000 kWh

100 % ▲ ▼

Año anterior

4. Introduzca la cantidad objetivo en cada mes.
  - Para introducir todos los meses al mismo tiempo, introduzca la cantidad objetivo en cada campo de introducción de lote y haga clic en el botón **[Aplicar]** en el lateral.
5. Una vez introducida la cantidad objetivo, haga clic en el botón **[Aplicar]** en la parte superior derecha.
6. Cuando aparezca la ventana de confirmación de Aplicar, haga clic en el botón **[Verificar]**.

## Configuración de la nivel de control

Puede establecer la nivel de control de la Navegación de energía.

1. En la pestaña del menú de la izquierda, haga clic en **[Energía] > [Navegación de energía]**.
2. En la pestaña de estado de control, haga clic en el grupo para establecer la nivel de control.
3. Haga clic en el botón **[Nivel de control de ajuste]** en la parte superior derecha.
  - Aparece la ventana de ajustes de nivel de control.

Navegación de energía > **Nivel de control de ajuste** Cancelar Aplicar

Establecer método de ejecución de control AUTO Manual Ayuda

Nivel de control de ajuste + Añadir nivel

Nivel	Supera estándar	Ratio excedido de objetivo mensual (%)	Método de control	Borrar
1	Predicción	70%	Capacidad 90%	
2	Predicción	80%	Capacidad 70%	
3	Predicción	90%	Capacidad 50%	
4	Predicción	100%	Capacidad 0%	
5	Predicción	110%	Int. OFF 66°F Ventilador Bloqueo etc.	

4. Seleccione la configuración del método de ejecución del control.

Categoría	Descripción
AUTO	En el momento de la alarma, el método de control establecido para cada nivel se ejecuta de forma automática
Manual	En el momento de la alarma, usted decide si ejecutar el método de control establecido para cada nivel.

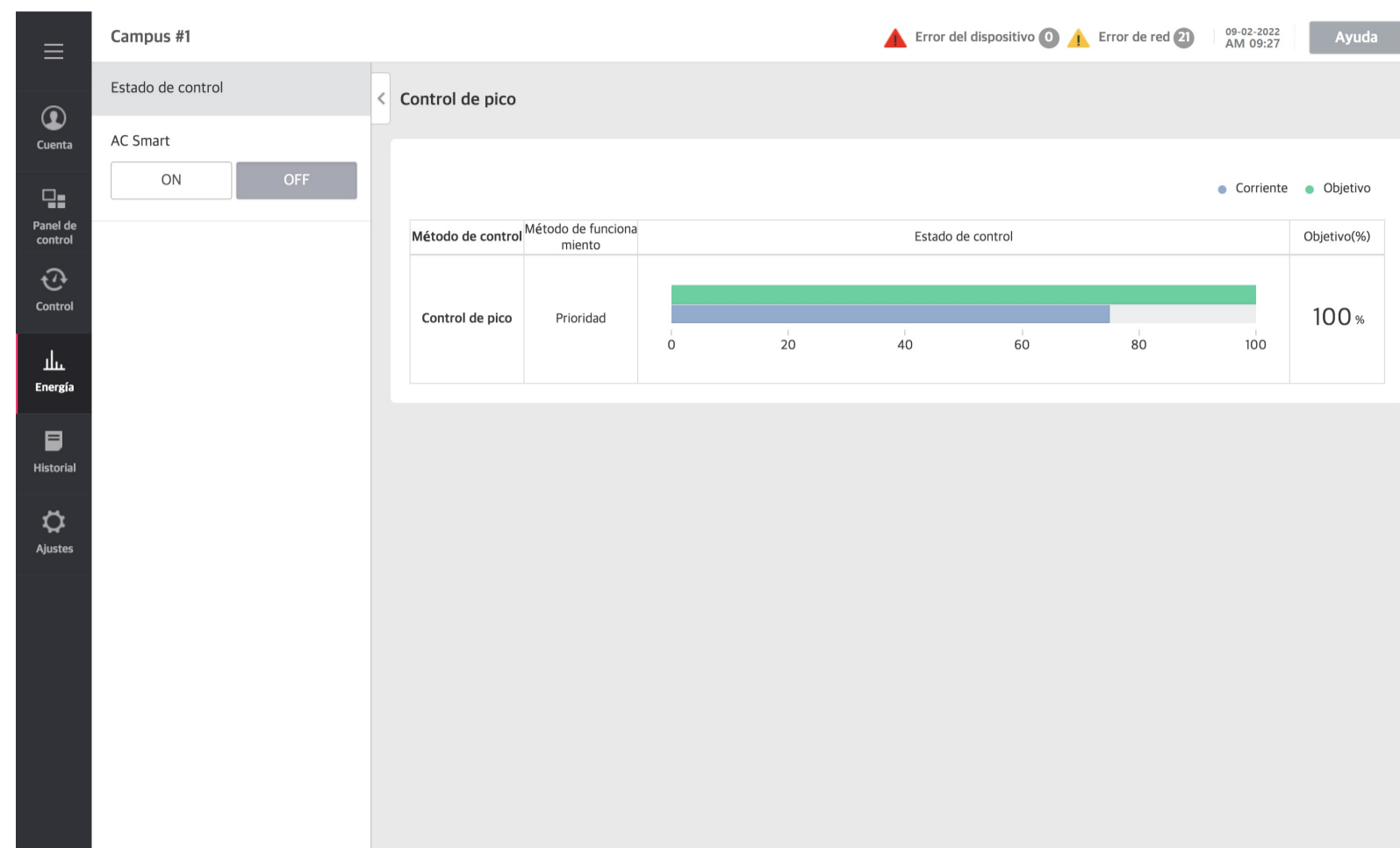
5. Haga clic en el botón de control de la ventana de configuración de nivel **[+Añadir nivel]**
6. Establezca las categorías de configuración de la nivel de control.

Categoría	Descripción
Supera estándar	Puede seleccionar entre el uso previsto y el uso real.
Ratio de exceso del objetivo mensual	Puede establecer en unidades del 10 % dentro del límite entre 70 y 130 %
Método de control	Capacidad: Puede establecer en unidades del 10 % dentro del límite entre 0 y 100% Tasa de operación: Puede establecer en unidades del 10 % dentro del límite entre 0 y 100% Int.: control de la unidad interior

7. Una vez realizada la configuración, haga clic en el botón **[Aplicar]** en la parte superior derecha.
8. Cuando aparezca la ventana de confirmación de Aplicar, haga clic en el botón **[Verificar]**.

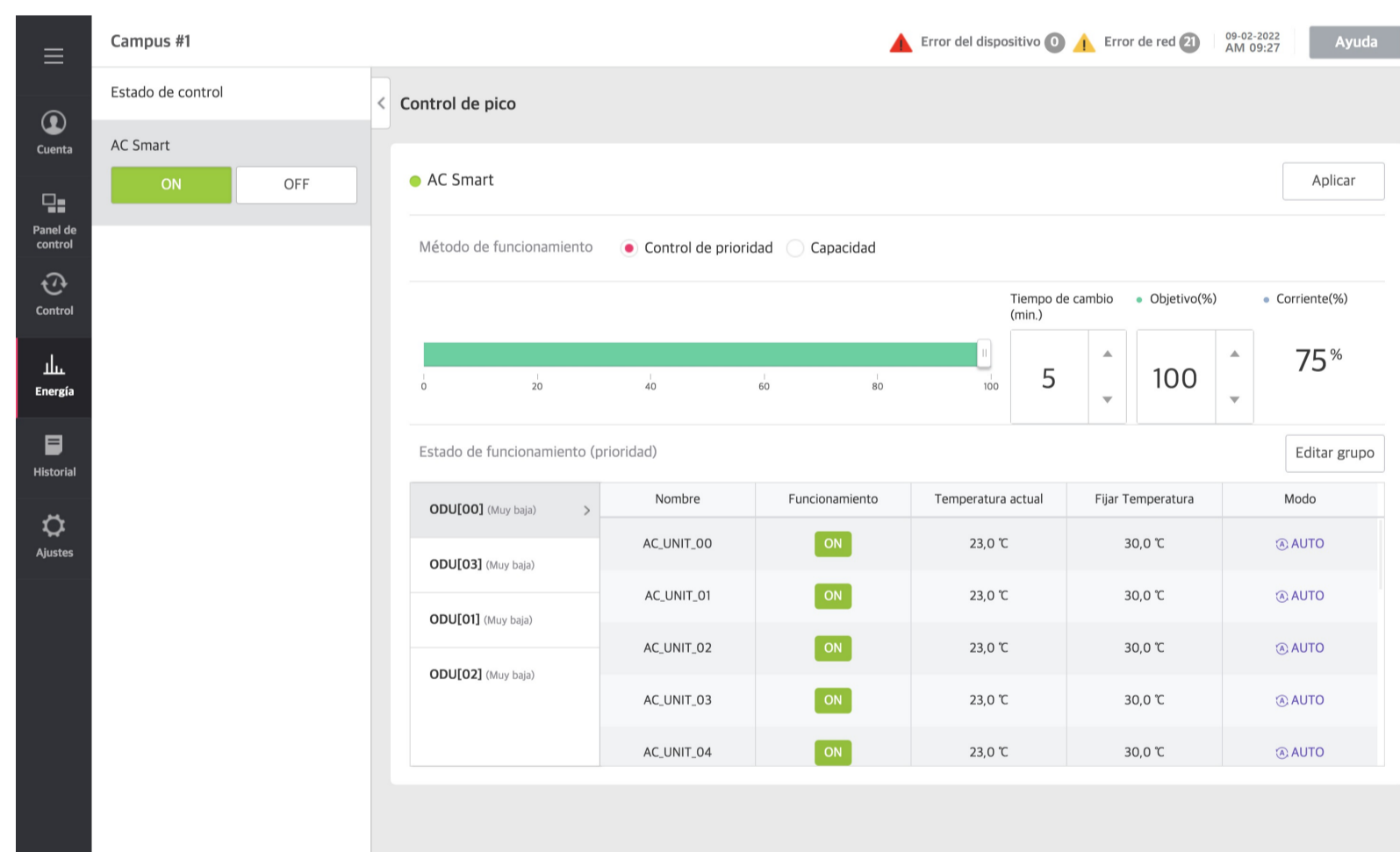
## Control de pico

En el estado de control, puede comprobar el nombre de ACP, método de control, método de funcionamiento, estado de control, y ratio de funcionamiento objetivo.



El control de pico es la función para establecer el ratio de funcionamiento objetivo para limitar la cantidad máxima de uso de energía y controlar el uso de modo que la cantidad de uso de energía total no supere el ratio de funcionamiento objetivo. Para evitar que el consumo de energía total exceda la cantidad objetivo, el modo de refrigeración se convierte automáticamente en modo de aire solamente, de acuerdo con la prioridad, y el modo de calefacción se detiene automáticamente, permitiendo así ahorrar el consumo de energía.

- En la pestaña del menú de la izquierda, haga clic en **[Energía] > [Control de pico]**.
  - Se muestra la pantalla de Control pico.
- En la lista de ACP, seleccione el ACP a controlar.
  - El estado de la configuración del control ACP correspondiente se visualiza en la pantalla.



- En la pantalla de información de control, establezca el estado de control deseado.

Categoría	Descripción
Método de funcionamiento	<ul style="list-style-type: none"> <li>Control de capacidad de la unidad exterior: El ratio de operación objetivo se aplica en las unidades de unidad exterior para controlar la tasa de funcionamiento de la unidad exterior.</li> <li>Control de prioridad: Controla de acuerdo con la prioridad de los grupos de nivel inferior de ACP</li> </ul>
Barra de ratio de funcionamiento	<ul style="list-style-type: none"> <li>El ratio de funcionamiento objetivo de la unidad interior se muestra un como gráfico de barras</li> <li>Puede arrastrar la barra del gráfico para ajustar el ratio de funcionamiento objetivo</li> </ul>
Corriente(%)	Entre todas las unidades interiores ACP seleccionadas, marca el % alcanzado por el dispositivo actualmente en funcionamiento
Objetivo(%)	Pulse el botón <b>[▲]/[▼]</b> para establecer el ratio de funcionamiento objetivo
Tiempo de cambio (min.)	<ul style="list-style-type: none"> <li>Pulse el botón <b>[▲]/[▼]</b> para establecer el ciclo de la parada de funcionamiento forzada en unidades de minuto</li> <li>Puede establecer entre 5 y 15 min en unidades de 1 min.</li> </ul>
Estado	Muestra el nombre del dispositivo/información de Modo/temperatura actual/temperatura de ajuste/estado de funcionamiento

- Para aplicar el ajuste de control, haga clic en el botón **[Aplicar]**.
  - Se guarda el estado de control seleccionado.
- Para iniciar el grupo correspondiente con el estado, haga clic en el botón **[ON]** de la lista del grupo. Para detener el grupo correspondiente con el estado, haga clic en el botón **[OFF]** de la lista del grupo.

### Nota

Para cambiar la configuración de control, cambie primero el funcionamiento de control. (Detener control de pico → Cambiar y aplicar configuración de control → Accionar

## Añadir/editar grupo pico

Puede añadir y editar grupo de control de pico.

- En la pestaña del menú de la izquierda, haga clic en **[Energía] > [Control de pico/demanda]**.
  - Se muestra la pantalla de Control demanda/pico.
- Haga clic en el botón **[Editar grupo]** .
  - Se muestra la pantalla Editar grupo

Categoría	Descripción
Nombre de grupo	Introduzca el nombre del grupo a agregar
Prioridad	Seleccione la prioridad deseada entre muy baja/baja/normal/alta/muy alta
<b>[Editar]</b>	Abra la ventana de edición del dispositivo (añadir o borrar lista de dispositivos)
Dispositivo registrado	Muestra la lista de dispositivos registrados en el grupo
<b>[Añadir nuevo grupo]</b>	Añadir grupo para el control pico
<b>[Borrar grupo]</b>	Borrar el grupo pico seleccionado
<b>[Cargar grupo de unidad exterior]</b>	Se aplica en las unidades de unidad exterior registradas en ACP

- Introduzca el nombre del grupo correspondiente en el campo de introducción del nombre de grupo.
- Seleccione la prioridad deseada.
  - Los niveles de control son los siguientes: Muy bajo → Bajo → Medio → Alto → Muy alto
- Para registrar el dispositivo, haga clic en **[Editar]** .
  - Aparecerá la ventana emergente Editar unidad.
- En la lista de Dispositivo sin registrar, haga clic en la casilla del dispositivo a registrar, y haga clic en el botón **[◀]**.
  - Para el control de pico, solamente se pueden registrar unidades interiores.
  - Para registrar varios dispositivos a la vez, haga clic en las casillas de verificación de los grupos a registrar y haga clic en el botón **[◀]**.
  - Los dispositivos seleccionados se añaden a la lista de dispositivos registrados.

- Para aplicar en la ventana Editar unidad, haga clic en el botón **[Aplicar]**.
- Para guardar los contenidos establecidos, haga clic en el botón **[Aplicar]** en la pantalla de control de pico/demanda.

## Coste de la unidad de energía

En el menú Coste de la unidad de energía puede consultar la opción Control total de modo de prioridad y los estados de las tarifas de electricidad y gas.

### Nota

- Coste de la unidad de energía es un menú exclusivo de las unidades exteriores GHP híbridas. No está disponible cuando se conectan otras unidades exteriores.

**Control integral en el modo de funcionamiento prioritario**

AUTO Gas(GHP) Electricidad(EHP)

Nombre	Funcionamiento	Modo de funcionamiento prioritario
ODU_00	OFF	

**Tarifa de electricidad**  
Fecha de actualización: 2020-12-09

Tarifa básica	Periodo de tiempo (Mes)	Tarifa de electricidad(/kWh)											
		1	2	3	4	5	6	7	8	9	10	11	12
1000	Light load	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Medium load	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Maximum load	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

**Tarifa de gas**  
Fecha de actualización: 2020-12-09

Tarifa de gas (/MJ. Mes)												
1	2	3	4	5	6	7	8	9	10	11	12	
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

## Tarifa de electricidad

La opción Tarifa de electricidad le permite configurar la tarifa mensual en función de la hora de carga.

La tarifa de electricidad mensual debe determinarse en función de la tabla de tarifas de electricidad.

Unidad de tarifa: /kWh

Tarifa básica: 1000

Tipo de carga: Light load, Medium load, Maximum load

Hora de carga: Editar

Periodo de tiempo(Mes)	1	2	3	4	5	
Light load	23:00~23:59	23:00~23:59	23:00~23:59	23:00~23:59	23:00~23:59	23
	00:00~00:59	00:00~00:59	00:00~00:59	00:00~00:59	00:00~00:59	00
	01:00~01:59	01:00~01:59	01:00~01:59	01:00~01:59	01:00~01:59	01
	02:00~02:59	02:00~02:59	02:00~02:59	02:00~02:59	02:00~02:59	02
	03:00~03:59	03:00~03:59	03:00~03:59	03:00~03:59	03:00~03:59	03
	04:00~04:59	04:00~04:59	04:00~04:59	04:00~04:59	04:00~04:59	04
	05:00~05:59	05:00~05:59	05:00~05:59	05:00~05:59	05:00~05:59	05
	06:00~06:59	06:00~06:59	06:00~06:59	06:00~06:59	06:00~06:59	06
Medium load	07:00~07:59	07:00~07:59	07:00~07:59	07:00~07:59	07:00~07:59	07
	08:00~08:59	08:00~08:59	08:00~08:59	08:00~08:59	08:00~08:59	08
	09:00~09:59	09:00~09:59	09:00~09:59	09:00~09:59	09:00~09:59	09
	12:00~12:59	12:00~12:59	12:00~12:59	12:00~12:59	12:00~12:59	12
	13:00~13:59	13:00~13:59	17:00~17:59	17:00~17:59	17:00~17:59	17
	14:00~14:59	14:00~14:59	18:00~18:59	18:00~18:59	18:00~18:59	18
	15:00~15:59	15:00~15:59	19:00~19:59	19:00~19:59	19:00~19:59	19
	16:00~16:59	16:00~16:59	20:00~20:59	20:00~20:59	20:00~20:59	20
Maximum load	20:00~20:59	20:00~20:59	21:00~21:59	21:00~21:59	21:00~21:59	21
	21:00~21:59	21:00~21:59	22:00~22:59	22:00~22:59	22:00~22:59	22
	10:00~10:59	10:00~10:59	10:00~10:59	10:00~10:59	10:00~10:59	10
	11:00~11:59	11:00~11:59	11:00~11:59	11:00~11:59	11:00~11:59	11
	17:00~17:59	17:00~17:59	13:00~13:59	13:00~13:59	13:00~13:59	13
	18:00~18:59	18:00~18:59	14:00~14:59	14:00~14:59	14:00~14:59	14
	19:00~19:59	19:00~19:59	15:00~15:59	15:00~15:59	15:00~15:59	15
	22:00~22:59	22:00~22:59	16:00~16:59	16:00~16:59	16:00~16:59	16

Tarifa mensual

Periodo de tiempo(Mes)	1	2	3	4	5	
Light load	1.00	1.00	1.00	1.00	1.00	1.0
Medium load	1.00	1.00	1.00	1.00	1.00	1.0
Maximum load	1.00	1.00	1.00	1.00	1.00	1.0

1. Puede editar la tarifa básica.
2. Puede agregar o editar el tipo de carga.
3. Puede editar la tarifa mensual.

## Editar hora de carga

Puede editar la hora de carga en función del tipo de carga y el mes.

### Hora de carga Editar

Hora Seleccionar

- Todo (10)
- 23:00~23:59
- 00:00~00:59
- 01:00~01:59
- 02:00~02:59

Mes Seleccionar

1

Seleccionar carga

Light Load

Todo

Cancelar

Aplicar

Categoría	Descripción
Seleccionar mes	Seleccione un mes para editar las horas de carga.
Seleccionar carga	Seleccione un tipo de carga para el mes seleccionado.
Seleccionar hora	Seleccione las horas que desee aplicar a la carga y el mes seleccionados.

1. Seleccione un mes para editar las horas de carga.
2. Seleccione un tipo de carga para el mes seleccionado.
3. Seleccione las horas que desee aplicar a la carga y el mes seleccionados, haga clic en una casilla y pulse el botón >.

### Nota

- Si no se aplican todas las horas, no se activa el botón Aplicar.
- En Tarifa mensual puede introducir hasta seis dígitos, pero el valor no puede superar 655,35.
- La fecha de actualización se aplica cuando aplica la opción Editar tarifa de electricidad.

## Tarifa de gas

La opción Tarifa de gas le permite configurar la tarifa mensual en función de la hora de carga.

La tarifa de gas mensual debe determinarse en función de la tabla de tarifas de gas.

Campus #1

Coste de la unidad de energía

Tarifa de electricidad

Tarifa de gas

### Tarifa de gas

Unidad de tarifa /MJ

Tarifa mensual

1	2	3	4	5	6
1.00	1.00	1.00	1.00	1.00	1.00

Fecha de actualización: 2020-12-09

Cancelar

Aplicar

### Nota

- En Tarifa mensual puede introducir hasta seis dígitos, pero el valor no puede superar 65,535.
- La fecha de actualización se aplica cuando aplica la opción Editar tarifa de gas.

## Historial de funcionamiento

Puede ver el historial de funcionamiento de control automático o del usuario y el cambio de estado o estado de error del dispositivo conectado.

1. En la pestaña del menú de la izquierda, haga clic en **[Historial]** > **[Historial de funcionamiento]**.

- Se muestra la pantalla Historial de funcionamiento

2. Seleccione el período a visualizar.

Categoría	Descripción
Período de visualización	<ul style="list-style-type: none"> <li>Día: Vista del historial de la fecha seleccionada</li> <li>Período: Vista del historial del período seleccionado</li> <li>Hoy: Vista del historial de hoy</li> </ul>

3. En la categoría de filtro, seleccione el tipo de dispositivo o historial.

- Puede hacer clic en la casilla de verificación para seleccionar varia información.
- Puede inicializar los contenidos seleccionados por medio del botón **[Inicialización]**.

4. Una vez seleccionados el tipo de dispositivo y el historial, haga clic en el botón **[Aplicar]**.

- Se muestra el historial del período seleccionado.

Detalles de la unidad en funcionamiento mostrados	Detalles de funcionamiento (controlador central)	Detalles de la unidad en funcionamiento mostrados	Detalles de funcionamiento (Distintos de controlador central)
ACS	Supervisión del control	Control remoto	Historial de control por unidades distintas del controlador central (p. ej. mando a distancia/contacto seco/lógica automatizada de las unidades interiores y exteriores)
Admin	Detalles de control de usuarios del controlador central	BMS	Control mediante BACnet
Controlador esclavo	Control mediante controlador central esclavo	Lonworks	Control mediante LonWorks
ACM	Detalles de control de usuarios del controlador central	Control del motor TMS EMS	Control mediante motor EMS de TMS
Programa	Control mediante programa de controlador central	Control de ahorro de energía TMS	Control mediante función de ahorro de energía de TMS
Cambio modo auto.	Control mediante operación de cambio automático de controlador central	TMS Mobile	Control mediante usuario móvil de TMS
Revés	Control mediante operación de límite de temperatura de controlador central	TMS Web	Control mediante usuario web de TMS
Control de pico	Control mediante operación de control de pico de controlador central	KEPCO	Control mediante Korea Electric Power Corporation
Borrar pico	Control mediante comando de eliminación de pico de controlador central		
Control del límite de tiempo	Control mediante comando de límite de tiempo de funcionamiento de controlador central		
Interbloqueo	Control mediante comando de enclavamiento de dispositivo de controlador central		
Interbloqueo	Control mediante patrón de copia de enclavamiento de dispositivo de controlador central		

Situación de emergencia	Control mediante cortocircuito de DI1 de controlador central		
Navegación de energía	Control mediante control de funcionamiento de navegación de energía de controlador central		
Override	Control mediante función de anulación de 2 conjuntos de unidad interior de controlador central		

## Enviar información

1. En la pestaña del menú de la izquierda, haga clic en **[Historial]** > **[Historial de funcionamiento]**.

- Se muestra la pantalla Historial de funcionamiento

**Campus #1** ▲ Error del dispositivo 33 ▲ Error de red 1 13-10-2022 15:05 Ayuda

**Historial de funcionamiento**

< 12-10-2022(Miércoles) > Hoy 📄 Enviar

Filtro : toda la historia ▾

Nº	Tiempo de aparición	Nombre	Dirección	Tipo de dispositivo	Agente principal	Tipo de historial	Contenidos detallados	Grupo
1	12-10-2022 15:25	ODU[06]	06	Ext.	ACS	Error	CH_51	odu_grp
2	12-10-2022 15:24	AC_00	00	Int.	ACS	Error	CH_51	idu_grp
3	12-10-2022 15:24	AC_01	01	Int.	ACS	Error	CH_51	idu_grp
4	12-10-2022 15:24	AC_02	02	Int.	ACS	Error	CH_51	idu_grp
5	12-10-2022 15:24	AC_03	03	Int.	ACS	Error	CH_51	idu_grp
6	12-10-2022 15:24	AC_04	04	Int.	ACS	Error	CH_51	idu_grp
7	12-10-2022 15:24	AC_05	05	Int.	ACS	Error	CH_51	idu_grp
8	12-10-2022 15:24	AC_06	06	Int.	ACS	Error	CH_51	idu_grp

2. Seleccione el período a visualizar.

Categoría	Descripción
Período de visualización	<ul style="list-style-type: none"> <li>Día: Vista del historial de la fecha seleccionada</li> <li>Período: Vista del historial del período seleccionado</li> <li>Hoy: Vista del historial de hoy</li> </ul>

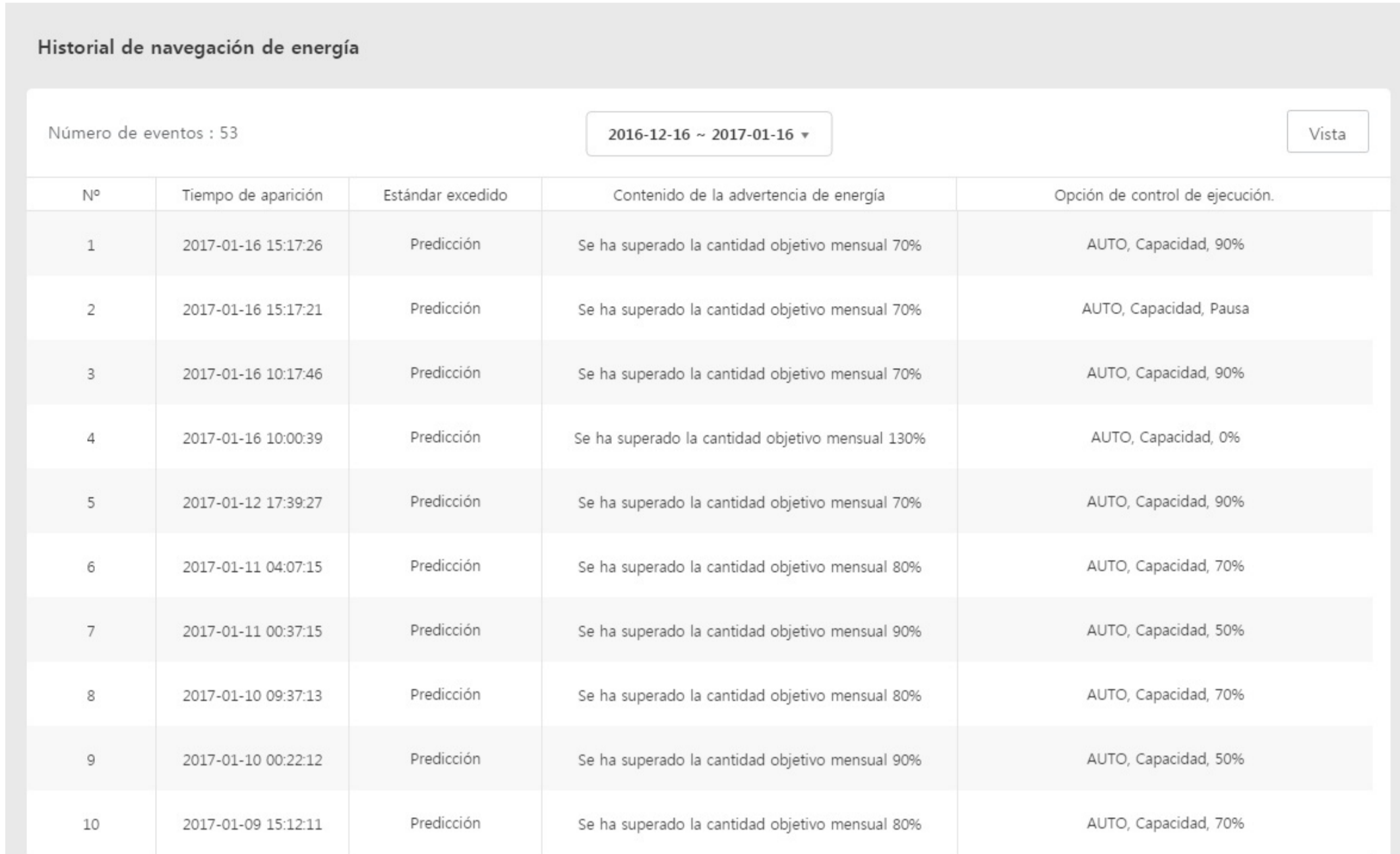
3. Haga clic en el botón **[Enviar]**.

- Archivo Excel, máximo 20000 EA
- En el dispositivo AC Smart 5, se almacena en el dispositivo USB.

## Historial de navegación de energía

Puede ver el historial de la alarma de Navegación de energía y controlar el funcionamiento.

1. En la pestaña del menú de la izquierda, haga clic en **[Historial]** > **[Historial de navegación de energía]**.
  - Se muestra la pantalla Navegación de energía.



**Historial de navegación de energía**

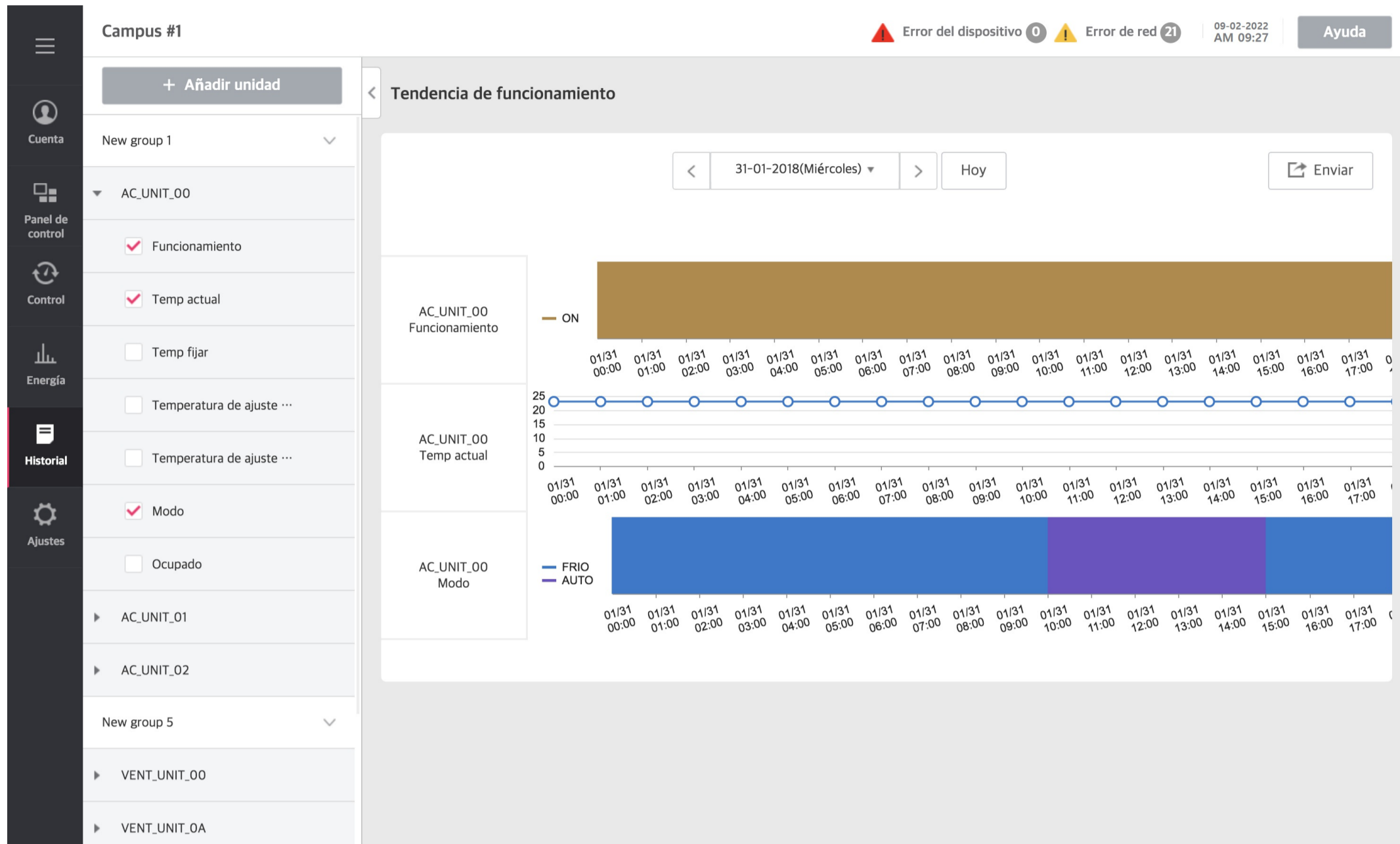
Número de eventos : 53 2016-12-16 ~ 2017-01-16 ▾ Vista

Nº	Tiempo de aparición	Estándar excedido	Contenido de la advertencia de energía	Opción de control de ejecución.
1	2017-01-16 15:17:26	Predicción	Se ha superado la cantidad objetivo mensual 70%	AUTO, Capacidad, 90%
2	2017-01-16 15:17:21	Predicción	Se ha superado la cantidad objetivo mensual 70%	AUTO, Capacidad, Pausa
3	2017-01-16 10:17:46	Predicción	Se ha superado la cantidad objetivo mensual 70%	AUTO, Capacidad, 90%
4	2017-01-16 10:00:39	Predicción	Se ha superado la cantidad objetivo mensual 130%	AUTO, Capacidad, 0%
5	2017-01-12 17:39:27	Predicción	Se ha superado la cantidad objetivo mensual 70%	AUTO, Capacidad, 90%
6	2017-01-11 04:07:15	Predicción	Se ha superado la cantidad objetivo mensual 80%	AUTO, Capacidad, 70%
7	2017-01-11 00:37:15	Predicción	Se ha superado la cantidad objetivo mensual 90%	AUTO, Capacidad, 50%
8	2017-01-10 09:37:13	Predicción	Se ha superado la cantidad objetivo mensual 80%	AUTO, Capacidad, 70%
9	2017-01-10 00:22:12	Predicción	Se ha superado la cantidad objetivo mensual 90%	AUTO, Capacidad, 50%
10	2017-01-09 15:12:11	Predicción	Se ha superado la cantidad objetivo mensual 80%	AUTO, Capacidad, 70%

2. Seleccione el dispositivo para ver el historial.
3. Seleccione la fecha de inicio y fecha de finalización del período para ver el historial.
4. Para guardar los contenidos seleccionados, haga clic en el botón **[Vista]**.
  - Se muestra el historial de navegación de energía del período seleccionado.

## Tendencia de funcionamiento

La función de tendencia de funcionamiento es la función que sirve para proporcionar el cambio de estado pasado del dispositivo seleccionado para establecer un plan operativo razonable en el centro.



## Añadir dispositivo

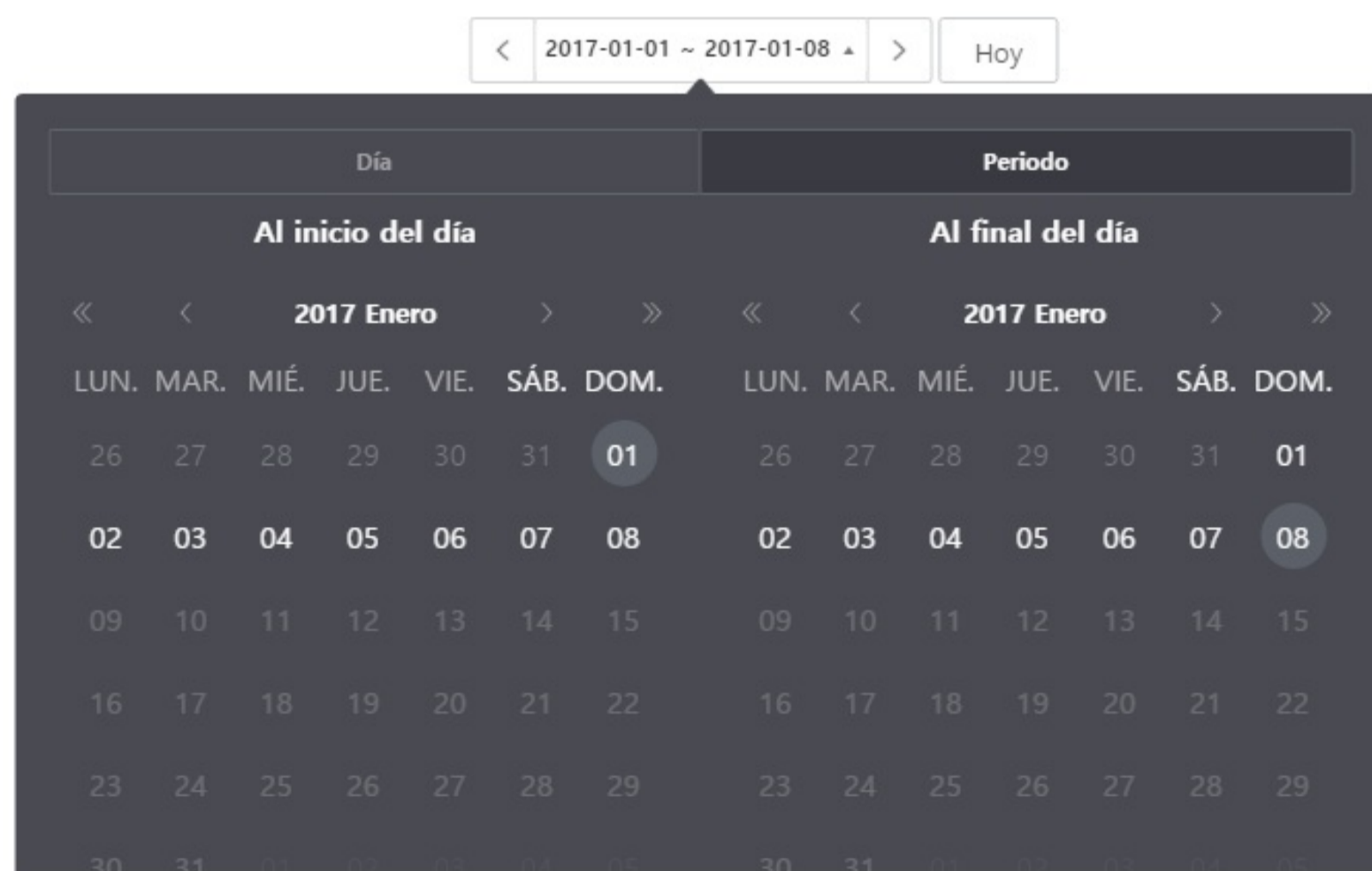
Puede añadir un unidad para ver la tendencia de funcionamiento.

- En la pestaña del menú de la izquierda, haga clic en **[Historial]** > **[Tendencia de funcionamiento]**.
  - Se muestra la pantalla Tendencia de funcionamiento
- Haga clic en el botón **[+ Añadir unidad]**.
  - Se muestra la pantalla Añadir dispositivo.
- En la lista de Dispositivo sin registrar, haga clic en la casilla del dispositivo a registrar, y haga clic en el botón **[◀]**.
  - Para registrar varios dispositivos a la vez, haga clic en las casillas de verificación de los grupos a registrar y haga clic en el botón **[◀]**.
  - Los dispositivos seleccionados se añaden a la lista de dispositivos registrados.
- Para aplicar en la ventana Editar unidad, haga clic en el botón **[Aplicar]**.

## Ver Información

Puede consultar la información de tendencias de funcionamiento del dispositivo seleccionado.

- En la pestaña del menú de la izquierda, haga clic en **[Historial]** > **[Tendencia de funcionamiento]**.
  - Se muestra la pantalla Tendencia de funcionamiento
- En la sección de la pestaña de lista de dispositivos, seleccione la categoría del dispositivo que desea ver.
- Seleccione el período para ver la tendencia de funcionamiento.



Categoría	Descripción
Período	Botón <b>[Día]</b> : Seleccione la fecha deseada en el mini calendario y establézcala como fecha de referencia Botón <b>[Período]</b> : Seleccione la fecha de inicio y fecha de finalización del período de visualización. <ul style="list-style-type: none"> <li>• El período máximo para ver es de 1 semana.</li> </ul> Botón <b>[Hoy]</b> : Establezca la fecha de hoy como fecha de referencia

## Enviar información

Puede enviar la información de tendencias de funcionamiento del dispositivo seleccionado.

1. En la pestaña del menú de la izquierda, haga clic en **[Historial] > [Tendencia de funcionamiento]**.
  - Se muestra la pantalla Tendencia de funcionamiento
2. En la categoría de lado izquierdo, seleccione la categoría para enviar y haga clic en el botón **[Enviar]** en la parte superior derecha.  
(En el dispositivo AC Smart 5, se almacena en el dispositivo USB).

### Nota

Cada dispositivo almacena la siguiente información.

- Unidad interior: funcionamiento, temperatura actual, temperatura configurada, temperatura configurada de refrigeración, temperatura configurada de calefacción, modo de funcionamiento, ocupado, PM10, PM2.5, PM1.0
- ERV: Funcionamiento, Modo, Temperatura actual (sólo para la ERV DX), Fijar Temperatura (sólo para la ERV DX), Concentración de CO<sub>2</sub> (sólo para la ERV)
- AHU: Funcionamiento, Modo, Fijar Temperatura, Temperatura del suministro de aire, Humedad del suministro de aire, Temperatura de ventilación, Humedad de ventilación
- Heating: Funcionamiento, Temperatura de entrada del agua, Temperatura de salida de agua, Temperatura de agua caliente, Fijar Temperatura, Temperatura de ajuste del agua caliente, Modo, Funcionamiento de agua caliente
- Enfriador: Funcionamiento, Temperatura de entrada del agua, Temperatura de salida de agua, Modo
- DOKIT: Funcionamiento
- DI: Funcionamiento
- DO: Funcionamiento
- Puerto EXP./O: valor
- Purificador de aire : Funcionamiento, Olor, PM 10, PM 2.5, PM 1.0

## Ciclo

Puede consultar la unidad interior/exterior y la información del ciclo de la enfriadora.

## Unidad exterior

Proporciona datos de información del ciclo de la unidad exterior seleccionada.

1. En la pestaña del menú de la izquierda, haga clic en [Historial] > [Ciclo].

- Se muestra la pantalla Ciclo

The screenshot shows the 'Ciclo' screen for 'Campus #1'. The sidebar menu includes 'Cuenta', 'Panel de control', 'Control', 'Energía', 'Historial', and 'Ajustes'. The main area displays the following information:

**ODU[00] Información del ciclo**

Maestro			
Dirección	00	Tipo dispositivo	HP_SUPER4
Tipo de refrigerante	R410A	Modo	STOP
Código de error	0	Versión MICOM	0, 0
Frecuencia del compresor del inversor 1	0	Frecuencia del compresor del inversor 2	0
Frecuencia ventilador 1	0	Frecuencia ventilador 2	0
Temperatura ambiente	220 °C	Alta presión	0
Baja presión	0	Temperatura de aspiración del compresor	200 °C
Temperatura de descarga del inversor	300 °C	Temperatura del tubo de líquido	220 °C
Temperatura de recuperación de calor del agua	220 °C	Temperatura entrada sobreenfriamiento	220 °C
Temperatura salida sobreenfriamiento	220 °C	EEV de la unidad exterior	0
EEV de sobreenfriamiento	0	Potencia actual	0,0
Potencia acumulada	0,0	4 VÍAS	0
CALENTADOR INV2	0	CALENTADOR INV1	0
SALIDA DEL RECEPTOR	0	ENTRADA DEL RECEPTOR	0

**Información de ciclo de la unidad interior**

Nombre	Nombre del grupo	Funcionamiento	Modo	Fijar Temperatura	Velocidad ventilador	Bloqueo	Dirección de viento	Temperatura del aire	LEV	Temperatura de entrada de la tubería	Temperatura de salida de la tubería	Código de error
AC_UNIT_00	New group 1	ON	AUTO	30,0 °C	Baja	Fijar	Limpiar	23,0 °C	0	220,0 °C	220,0 °C	0
AC_UNIT_01	New group 1	ON	AUTO	30,0 °C	Baja	Fijar	Limpiar	23,0 °C	0	220,0 °C	220,0 °C	0

Categoría	Descripción
Información del ciclo de la unidad exterior	Visualización de la información de la unidad exterior maestra/esclava
Información del ciclo de la unidad interior	Muestra toda la información de la unidad interior conectada a la unidad exterior

2. En la lista de unidad exterior, seleccione la unidad exterior para comprobar la información del ciclo.

- Se muestra la información del ciclo de la unidad exterior correspondiente.

## Nota

Se puede ver sólo cuando está instalada la opción de Información del ciclo para la unidad exterior.

## Enfriadora

Proporciona datos de información del ciclo de la enfriadora seleccionada.

1. En la pestaña del menú de la izquierda, haga clic en [Historial] > [Ciclo].

- Se muestra la pantalla Ciclo

2. En la lista de enfriadoras, seleccione la enfriadora para comprobar la información del ciclo.

- Se muestra la información del ciclo de la enfriadora correspondiente.

- Cuenta
- Panel de control
- Control
- Energía
- Historial
- Ajustes

- Ext.
- Chiller
- AC Smart
- Scroll Chiller
- Turbo Chiller

Ciclo

Scroll Chiller Información del ciclo

- Común
- Cycle 1
- Cycle 2
- Cycle 3
- Cycle 4



Funcionamiento	OFF	Temperatura de ajuste de la calefacción	0.0 °C
Temperatura del aire exterior	0.0 °C	Temperatura de salida del agua enfriada	0.0 °C
Corriente de funcionamiento	0 A	Temperatura de entrada del agua enfriada	0.0 °C
Iniciar tiempo de espera	0 Sec	Interruptor de flujo de agua enfriada	OFF
Modo	❄️ FRIO	Estado de salida de la bomba de agua enfriada	OFF
Relación de límite de demanda	0 %	Estado de la interfaz de la bomba de agua enfriada	OFF
Temperatura ajuste frío	0.0 °C	Total Tiempo de funcionamiento	0 Hours

## Configuración del dispositivo

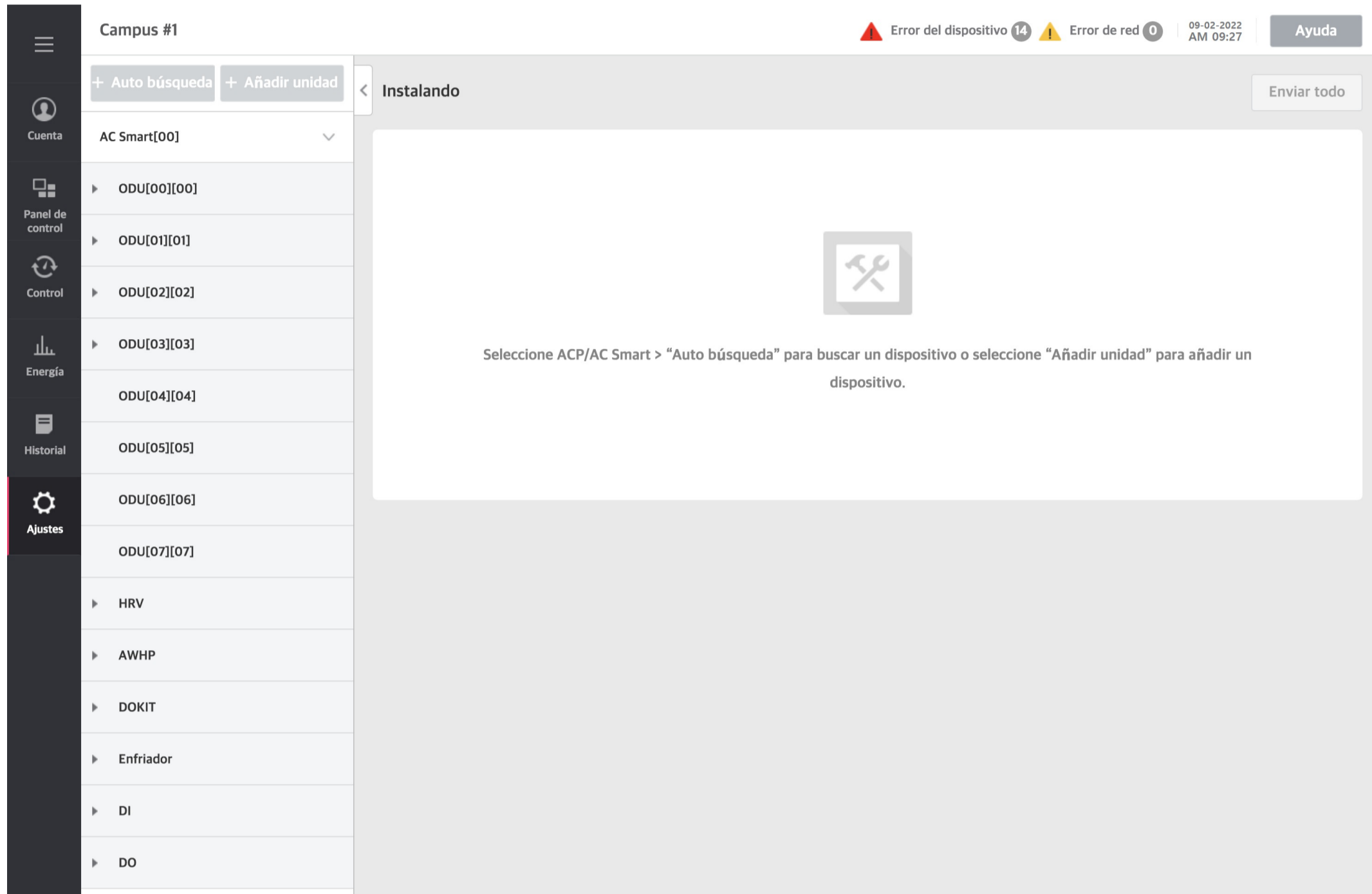
Puede cambiar la configuración AC Smart, agregar un dispositivo y cambiar la configuración del dispositivo registrado.

### Editar AC Smart 5

Es posible cambiar la configuración predeterminada de AC Smart.

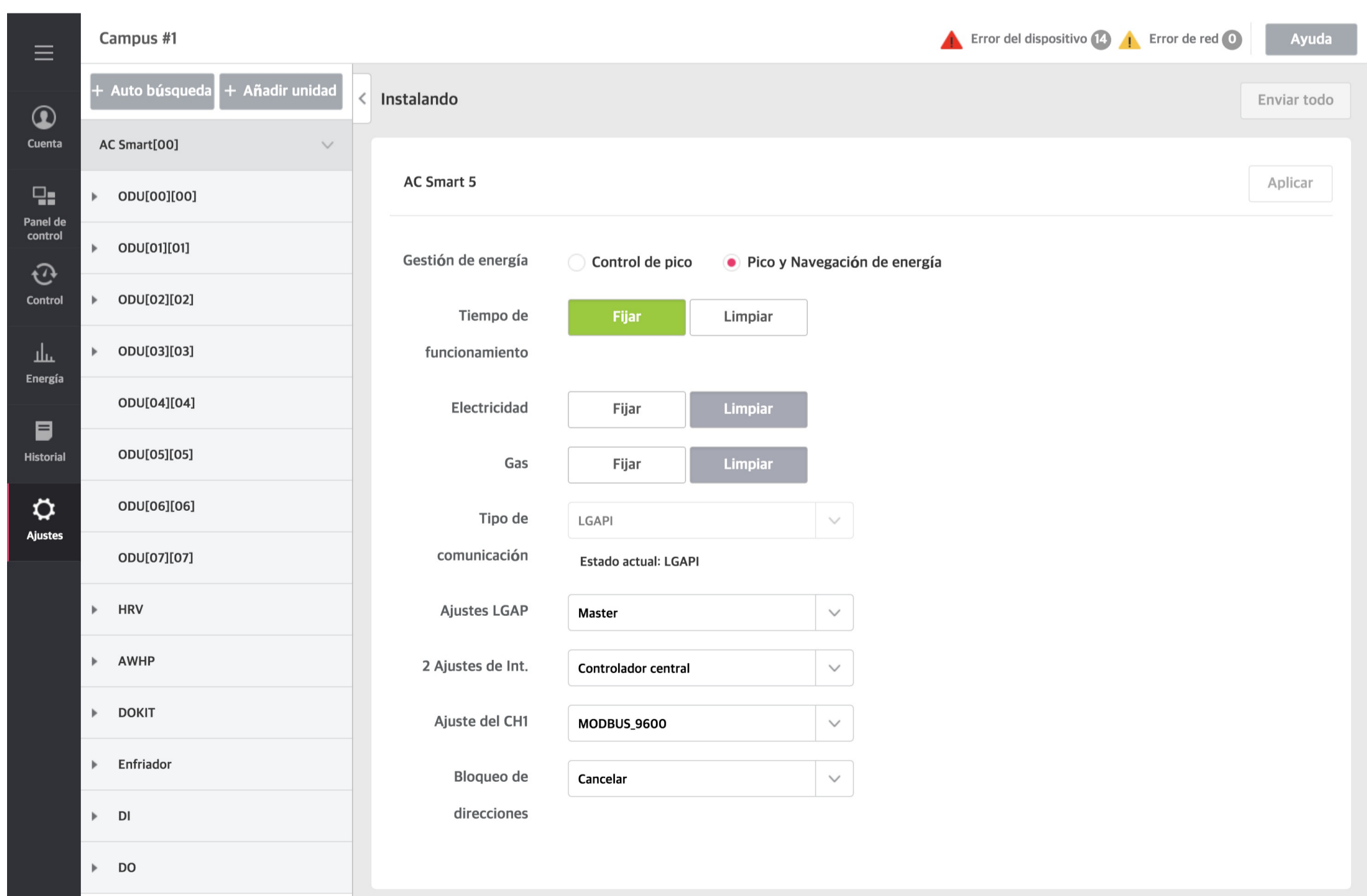
1. En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Instalando].

- Se muestra la pantalla Configuración dispositivo.



2. En la lista de dispositivos, seleccione AC Smart.

- Se muestra la pantalla de edición de AC Smart.
- En el área de edición del dispositivo, puede cambiar la información de configuración de AC Smart.



Categoría	Descripción
Gestión de energía	Seleccione entre control Pico/ control pico y navegación de energía
Tiempo de funcionamiento	Ajuste/cancelación de la visualización del tiempo de funcionamiento
Electricidad	Ajuste/cancelación de la visualización de la cantidad de energía utilizada
Gas	Ajuste/cancelación de la visualización de la Gas
Tipo de comunicación	Configuración de LGAPI / LGAPII

Ajustes LGAP	Ajuste de comunicación principal/secundaria
2 Ajustes de Int.	Pulse el botón [▼] para seleccionar el agente principal como 2 Ajustes de Int. <ul style="list-style-type: none"> <li>Controlador central / unidad interior</li> </ul>
Ajuste del CH1	Pulse el botón [▼] para seleccionar el tipo de comunicación del dispositivo a conectar con el puerto CH1 <ul style="list-style-type: none"> <li>LGAP: para unidad interior, ERV, ERV DX y Heating conexión</li> <li>LGAP_AHU: para conexión AHU (general, todo el aire fresco, recuperación de calor residual)</li> <li>MODBUS_9600, MODBUS_19200: para AHU (acondicionador de aire modular, todo el aire fresco modular, DOAS), E/S Exp y conexión del refrigerador</li> </ul>
Bloqueo de direcciones	Al activar esta función, no puede cambiar la dirección en la unidad interior y el mando a distancia de ERV

### Nota

- Algunos modelos no son compatibles con la función LGAPII.
- Cuando el controlador se establece como secundario, registre la IDU u otros dispositivos que controlará el controlador correspondiente. En este momento, no debe registrarse por duplicado con otros controladores secundarios.

- Una vez introducida la información, haga clic en el botón [Aplicar].
- Haga clic en el botón [Enviar todo].

## Ajuste automático

Puede buscar automáticamente el dispositivo conectado a AC Smart y registrarse.

- En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Instalando].
  - Se muestra la pantalla Configuración dispositivo.
- En la lista de dispositivos, seleccione AC Smart y haga clic en el botón [Auto búsqueda].
- Para sobrescribir la configuración el dispositivo AC Smart sobre la actual, haga clic en el botón [confirmar].
  - Se aplica el estado de configuración del dispositivo AC Smart.
- Cuando termine la configuración automática, antes de editar el dispositivo, haga clic en el botón [Enviar todo].

### Nota

- La configuración automática tarda unos 10 min.
- Algunos AHU (aire acondicionado modular, todo el aire fresco modular, DOAS), refrigerador y EXP.I/O no admiten la función de configuración automática.
- EXP.I/O se activa cuando marca 'usar' en la ventana de edición del dispositivo después de registrar el dispositivo.

## Añadir dispositivo

Puede añadir adicionalmente un nuevo dispositivo a la lista de dispositivos.

- En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Instalando].
  - Se muestra la pantalla Configuración dispositivo.
- Haga clic en el botón [+ Añadir unidad].
  - Se muestra la pantalla Añadir dispositivo.

---

Seleccione el tipo de dispositivo para añadir a ACP

Ext.
 HRV
 AWHP

AHU
 Chiller
 DOKIT

DI
 DO
 EXP. I/O

Purificador de aire

---

Nombre de ACP:

Dirección:

Nombre:

Modelo:

Capacidad:

Activar control del dispositivo (icono)
 Fijar
 Limpiar

---

Añadir todos

- En la lista de dispositivos, seleccione el grupo de nivel superior para agregar un dispositivo.
  - Cuando se selecciona AC Smart en la lista de dispositivos, puede agregar unidad exterior, ERV, Heating, AHU, refrigerador, dispositivo de ENCENDIDO/APAGADO, DI, DO, y EXP.I/O

- En la lista de dispositivos, cuando se selecciona la unidad exterior, sólo puede añadir unidades interiores.
4. En la sección Añadir dispositivo, introduzca la información de configuración del dispositivo a agregar.
    - De acuerdo con el dispositivo seleccionado, la categoría configuración se mostrará diferente. Para ver la información de configuración de cada dispositivo, consulte la siguiente página.
  5. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.
  6. Para finalizar de añadir un dispositivo, haga clic en **[Enviar todo]**.

### Nota

- Un esclavo de AC Smart 5 no admite la purificación de aire y el control / monitoreo de ODU.

## Editar dispositivo

En la lista de dispositivos, puede editar un dispositivo registrado.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Instalando]**.
  - Se muestra la pantalla Configuración dispositivo.
2. En la lista de dispositivos, seleccione el dispositivo a editar.
3. Se muestra la pantalla Configuración dispositivo.
4. Edite la información de configuración del dispositivo.
  - De acuerdo con el dispositivo seleccionado, la categoría configuración se mostrará diferente. Para ver la información de configuración de cada dispositivo, consulte la siguiente página.
5. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.
6. Para completar la edición de un dispositivo, haga clic en **[Enviar todo]**.

## Eliminar dispositivo

En la lista de dispositivos, puede eliminar un dispositivo registrado.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Instalando]**.
  - Se muestra la pantalla Configuración dispositivo.
2. En la lista de dispositivos, seleccione el dispositivo que desea eliminar y haga clic en el botón **[Limpiar]**.
3. Cuando aparezca la ventana de confirmación de eliminación, haga clic en el botón **[Sí]**.
  - En la lista de dispositivos, se elimina el elemento seleccionado.
4. Para completar la eliminación de un dispositivo, haga clic en **[Enviar todo]**.

## Información de configuración de cada dispositivo

La información de configuración de cada dispositivo es la siguiente:

- ➔ Unidad exterior
- ➔ Int.
- ➔ ERV
- ➔ Heating
- ➔ AHU
- ➔ Enfriadora
- ➔ DOKIT
- ➔ DI/DO
- ➔ EXP.I/O
- ➔ Configuración del nivel inferior de EXP.I/O
- ➔ Purificador de aire

Unidad exterior

---

**Seleccione el tipo de dispositivo para añadir a AC Smart**

Ext.       HRV       AWHP  
 AHU       Chiller       DOKIT  
 DI       DO       EXP. I/O

---

Nombre de ACP

Dirección

Nombre

Modelo

Capacidad

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"> <li>Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li> </ul>
Modelo	Nombre del modelo de producto
Capacidad	Capacidad de producto
Activar control del dispositivo (icono)	Establecer si activar el icono de dispositivo ODU <ul style="list-style-type: none"> <li>El dispositivo ODU se muestra en Configuración de grupo, Control de dispositivo, Error de dispositivo e Historial de funcionamiento solo cuando se activa el control de dispositivo (Icono) de ODU.</li> </ul>
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados



Int.

Seleccione el tipo de dispositivo para añadir a ODU[00]

Int.

---

Nombre de ACP

Nombre del Ext.

Dirección

Nombre

Modelo

Tipo

Capacidad

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Nombre del Ext.	Nombre de la unidad exterior conectada al dispositivo correspondiente
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"> <li>Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li> </ul>
Modelo	Nombre del modelo de producto
Tipo	Selección del tipo de unidad interior
Capacidad	Capacidad de producto
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados



ERV

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.     
  ERV     
  Heating     
  AHU  
 Chiller     
  DOKIT     
  DI     
  DO  
 EXP. I/O     
  Purificador de aire

---

Nombre de ACP:

Tipo:

Dirección:

Nombre:

Modelo:

Capacidad:

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección ODU	Dirección de la unidad exterior conectada al dispositivo <ul style="list-style-type: none"> <li>Activación en caso de ERV DX /Ventilación montada en el suelo</li> </ul>
Tipo	Selección del tipo de ERV
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"> <li>Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li> </ul>
Modelo	Nombre del modelo de producto
Capacidad	Capacidad de producto
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados

Heating

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.   
  ERV   
  Heating   
  AHU   
  Chiller  
 DOKIT   
  DI   
  DO   
  EXP. I/O   
  Purificador de aire

---

Nombre de ACP:

Dirección:

Nombre:

Modelo:

Capacidad:

Método de control:
  Control de agua caliente   
  Control de entrada/salida de agua   
  Todo

Temp actual 1

Salida de agua   
  Entrada de agua.   
  Aire   
  Agua caliente   
  No utilizar

Temp actual 2

Salida de agua   
  Entrada de agua.   
  Aire   
  Agua caliente   
  No utilizar

Temp actual 3

Salida de agua   
  Entrada de agua.   
  Aire   
  Agua caliente   
  No utilizar

Fijar Temperatura

Entrada/salida de agua   
  Aire

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección ODU	Dirección de la unidad exterior conectada al dispositivo
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"> <li>Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li> </ul>
Modelo	Nombre del modelo de producto
Capacidad	Capacidad de producto
Método de control	Selección del método de control
Temp actual 1	Tipo de temperatura actual a visualizar en primer lugar
Temp actual 2	Tipo de temperatura actual a visualizar en segundo lugar
Temp actual 3	Tipo de temperatura actual a visualizar en tercer lugar
Fijar Temperatura	Tipo de la temperatura de ajuste para controlar
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados

AHU

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.       ERV       Heating       AHU  
 Chiller       DOKIT       DI       DO  
 EXP. I/O       Purificador de aire

---

Nombre de ACP

Dirección

Nombre

Modelo

AHU Tipo  Normal     Todos los dispositivos de aire exteriores  
 Ventilador múltiple general  
 Todas las unidades de aire exterior con varios ventiladores     DOAS(AR-DE)  
 DOAS(AR-DR)     DOAS(AR-ND)     Comm.Kit(SA)

Función adicional  Ninguno     Ventilación automática     Humidificar  
 Ventilación automática, humidificación

Temp habitación  Estándar de suministro de aire     Estándar de ventilación

---

Añadir todos  EA

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema • Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"
Modelo	Nombre del modelo de producto
Tipo de AHU	Seleccione el tipo de AHU
Función adicional	Seleccione la función para añadir
Temp habitación	Entre el suministro de aire o la ventilación, seleccione el estándar de ajuste deseado para la temperatura interior.
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados

Establecer el control de ahorro de energía vinculado Multi-V.

AHU Tipo

- Normal
- Todos los dispositivos de aire exteriores
- Ventilador múltiple general
- Todas las unidades de aire exterior con varios ventiladores
- DOAS(AR-DE)
- DOAS(AR-DR)
- DOAS(AR-ND)
- Comm.Kit(SA)
- DIVIDIR DOAS (ARND/DB)
- DIVIDIR DOAS (ARND/DC)

Temp habitación

- Estándar de suministro de aire
- Estándar de ventilación

Ahorro de energía de

- Fijar
- Limpiar

Multi-V

Paso de ahorro de

3 Nivel



energía

Seleccionar dispositivo

Editar

Tipo	Nombre	Dirección	Grupo
Ext.	ODU_00	00	-
Ext.	ODU_01	01	-

Añadir todos

EA

Categoría	Descripción
Establecer el control de ahorro de energía vinculado Multi-V.	Activar/desactivar el control de ahorro de energía vinculado Multi-V. <ul style="list-style-type: none"><li>Si configura el control de ahorro de energía vinculado Multi-V, se activan las opciones de paso de ahorro de energía y selección de dispositivos.</li></ul>
Paso de ahorro de energía	Seleccione los pasos de ahorro de energía entre los pasos del 1 al 3.
Seleccione un dispositivo.	Seleccione un dispositivo exterior al que aplicar el control de ahorro de energía vinculado Multi-V.

### Nota

- Solo está disponible SPLIT DOAS(ARND/DB) el control de ahorro de energía vinculado Multi-V.
- Cuando el control de ahorro de energía vinculado Multi-V está en funcionamiento, la bobina principal, la bobina de recalentamiento y la rueda de recuperación de energía pueden apagarse y encenderse automáticamente.

➔ Control de ahorro de energía vinculado Multi-V

SPLIT DOAS(ARND/DB)

Elemento	Descripción
Ver detalles	Haga clic en el botón [Ver detalles] para ver información detallada (no disponible en el modo móvil).
Estado de funcionamiento	<ul style="list-style-type: none"> <li>Botón [Iniciar funcionamiento]: se inicia el funcionamiento del dispositivo.</li> <li>Botón [Detener funcionamiento]: se detiene el funcionamiento del dispositivo.</li> </ul>
Temperatura objetivo	Pulse el botón [▲]/[▼] para definir la temperatura objetivo.
Ocupado	Función para establecer el espacio gestionado por DOAS como ocupado o vacío <ul style="list-style-type: none"> <li>Botón [Ocupado]: se establece como Ocupado</li> <li>[Vacío]: se establece como Vacío</li> </ul>

SPLIT DOAS(ARND/DC)

Elemento	Descripción
----------	-------------

Ver detalles	Haga clic en el botón <b>[Ver detalles]</b> para ver información detallada (no disponible en el modo móvil).
Estado de funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[Iniciar funcionamiento]</b>: se inicia el funcionamiento del dispositivo.</li> <li>• Botón <b>[Detener funcionamiento]</b>: se detiene el funcionamiento del dispositivo.</li> </ul>
Temperatura objetivo	Pulse el botón <b>[▲]/[▼]</b> para definir la temperatura objetivo.
Ocupado	Función para establecer el espacio gestionado por DOAS como ocupado o vacío <ul style="list-style-type: none"> <li>• Botón <b>[Ocupado]</b>: se establece como Ocupado</li> <li>• <b>[Vacío]</b>: se establece como Vacío</li> </ul>

## Control de ahorro de energía vinculado Multi-V

Esta función controla los modos de funcionamiento DOAS y Multi-V según el estado de funcionamiento de Multi-V y la temperatura del aire interior y exterior/humedad, para ahorrar energía del sistema.

El funcionamiento de ahorro de energía solo se puede poner en marcha con condiciones interiores aceptables (en el caso de refrigeración, una temperatura de 28 °C o menos y una humedad del 60 % o menos). Puede ajustar el grado de frescor y de ahorro de energía que prefiera.

### Nota

- Para usar el control de ahorro de energía vinculado Multi-V necesita un sensor de humedad interior DOAS.
- El funcionamiento de ahorro de energía solo se puede poner en marcha cuando DOAS opera en el modo de refrigeración o deshumidificación y todas las unidades interiores están en funcionamiento de refrigeración.
- Paso de ahorro de energía: a medida que se acerca al paso 3, la deshumidificación se debilita y el ahorro de energía aumenta.

➔ Establecer el control de ahorro de energía vinculado Multi-V



## Enfriadora

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.       ERV       Heating       AHU  
 Chiller       DOKIT       DI       DO  
 EXP. I/O       Purificador de aire

---

Nombre de ACP

Dirección

Nombre

Tipo  ▼

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"><li>Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li></ul>
Tipo	Seleccione el tipo de enfriadora
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados



DOKIT

---

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.       ERV       Heating       AHU  
 Chiller       DOKIT       DI       DO  
 EXP. I/O       Purificador de aire

---

Nombre de ACP

Dirección

Nombre

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"><li>• Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li></ul>
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados



DI/DO

---

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.     
  ERV     
  Heating     
  AHU  
 Chiller     
  DOKIT     
 DI     
  DO  
 EXP. I/O     
 Purificador de aire

---

Nombre de ACP

Dirección

Nombre

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"> <li>Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li> </ul>
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados

**Nota**

- El puerto DI1 solo puede utilizarse en caso de emergencia y no puede configurarse para otros fines.
- El puerto DI1 siempre debe estar abierto, excepto en caso de emergencia.
- Si se produce un cortocircuito en el puerto DI1, sonará una alarma y todos los dispositivos conectados al puerto se detendrán.

EXP.I/O

Seleccione el tipo de dispositivo para añadir a AC Smart

Ext.       ERV       Heating       AHU  
 Chiller       DOKIT       DI       DO  
 EXP. I/O       Purificador de aire

---

Nombre de ACP

Tipo  ▼

Dirección

※ Para conocer el rango de direcciones detallado para cada tipo, consulte la página [Uso (PC)]> [Configuración del dispositivo]> [EXP.I/O] en 'Ayuda (Manual de usuario)'.

Nombre

---

Añadir todos

Categoría	Descripción
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Tipo	Seleccione el tipo de dispositivo
Dirección	Dirección del dispositivo <ul style="list-style-type: none"> <li>• Rango de direcciones de ACS I/O : 01 ~ F7</li> <li>• Rango de direcciones de ACU UIO : 60 ~ 67</li> <li>• Rango de direcciones de ACU UI : 70 ~ 77</li> <li>• Rango de direcciones de ACU UO : 80 ~ 87</li> </ul>
Nombre	Nombre del dispositivo para su visualización en el sistema <ul style="list-style-type: none"> <li>• Para agregar por lotes, se muestra en la forma "Nombre_dirección de dispositivo"</li> </ul>
Añadir todos	Cuando se seleccionan las casillas de verificación, se añaden todos los dispositivos seleccionados

## Configuración del nivel inferior de EXP.I/O

AO[F7/00]

Borrar Aplicar

---

Si se utiliza  Uso  No utilizar

Nombre de ACP

Tipo de dispositivo

Dirección

Nombre

Icono  ▼

I/O Tipo  VOL

Límite de la señal

▼

Uso

Temperatura
  Humedad
  Apertura
  Nivel de agua  
 Relación de funcionamiento
  Concentración
  Presión

Símbolo de la unidad

°C
  °F

Mostrar límite

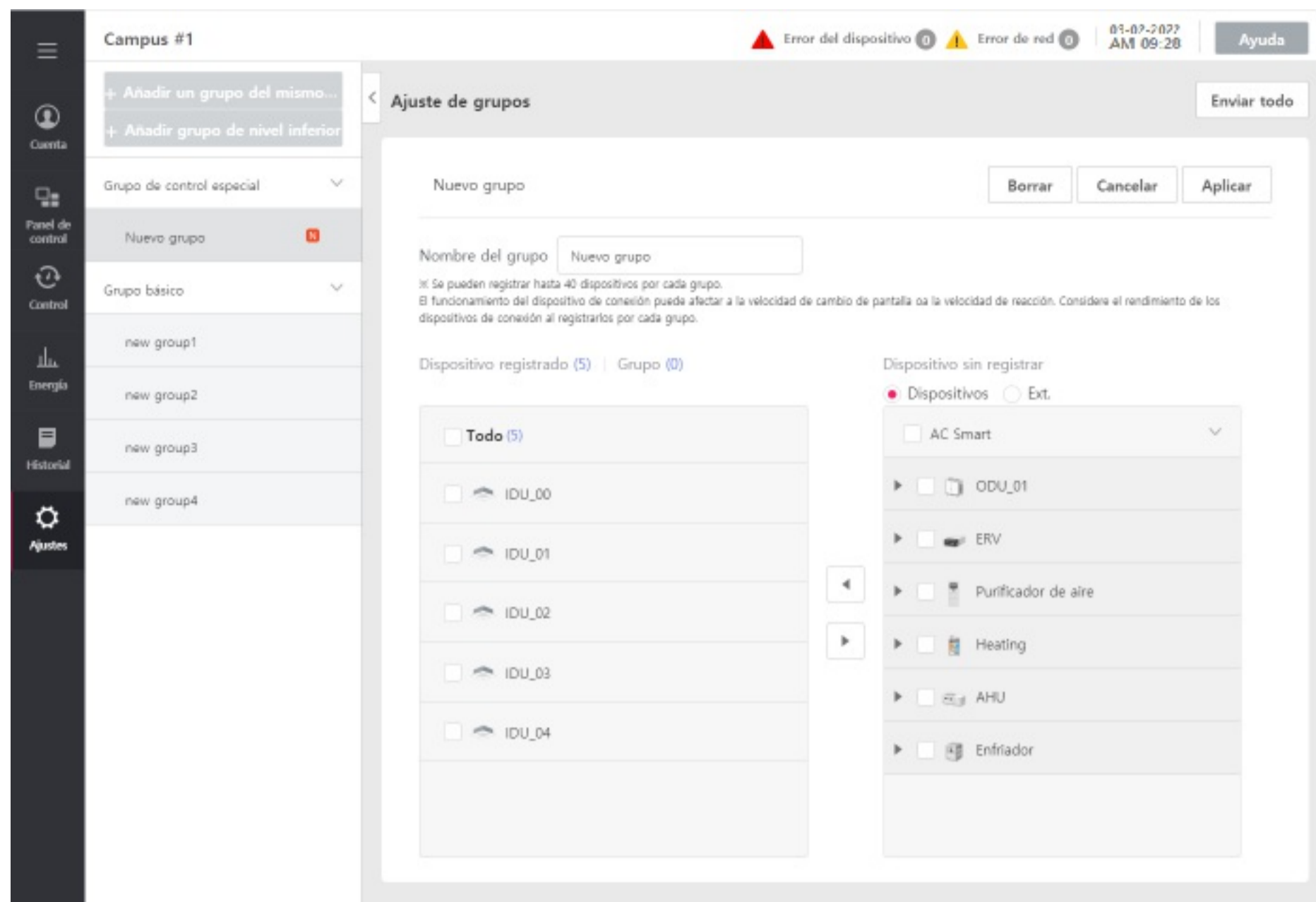
Min  Max

Valor de corrección

Categoría	Descripción
Si se utiliza	Seleccione si desea utilizar el dispositivo
Nombre de ACP	Nombre del ACP de nivel superior del dispositivo correspondiente
Tipo de dispositivo	Tipo de dispositivo
Dirección	Dirección del dispositivo
Nombre	Nombre del dispositivo
Icono	Seleccione el tipo de icono
Tipo de I/O	Seleccione el Tipo de I/O <ul style="list-style-type: none"> <li>• AO: VOL</li> <li>• UI: BI, VOL, CUR, PT1000, NTC10K, NI1000(Pero, cuando el tipo EXP / IO es ACU UIO, ACU UI, se puede seleccionar entre BI o VOL.)</li> <li>• DO: BI</li> <li>• DI: BI</li> </ul>
Límite de señal	Seleccione el Límite de la señal
Uso	Seleccione el uso del dispositivo (la selección de uso es diferente según el tipo de E/S.) <ul style="list-style-type: none"> <li>• Información de estado: Encendido/Apagado, Cortocircuito/Circuito abierto, Advertencia/Normal, Cerrar/Abrir; Encendido/Apagado, Ocupado/Desocupado, 1/0</li> <li>• Información sobre los valores: Temperatura, Humedad, Apertura, Nivel de agua, Relación de funcionamiento, Concentración, Presión</li> </ul>
Símbolo de unidades	Permite seleccionar el símbolo de unidad Se puede cambiar según la selección de uso
Mostrar límite	Max./Min. Introducción de valor
Valor de corrección	Introducción de valor de corrección

## Ajustes del grupo

Puede añadir/borrar un grupo de administración creado de acuerdo al uso del usuario.



## Añadir grupo

Puede añadir un nuevo grupo.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Ajuste de grupos]**.
  - Se muestra la pantalla Configuración de grupo.
2. Seleccione un grupo y haga clic en el botón Agregar grupo.
  - Seleccione **[+ Agregar subgrupo]** para crear un subgrupo.
  - Seleccione **[+ Agregar grupo del mismo nivel]** para crear un grupo del mismo nivel.
3. Introduzca el nombre del grupo en el campo de nombre del grupo.
4. Para registrar el nuevo dispositivo en la lista de dispositivos, en la lista de Dispositivo sin registrar, haga clic en la casilla del dispositivo a registrar, y haga clic en el botón **[◀]**.
5. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.
6. Para finalizar de agregar el grupo, haga clic en **[Enviar todo]**.

## Edición de grupo

Puede editar un grupo.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Ajuste de grupos]**.
  - Se muestra la pantalla Configuración de grupo.
2. En la lista de grupos, seleccione el grupo a editar.
3. Edite la información del grupo.
4. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.
5. Para finalizar de agregar el grupo, haga clic en **[Enviar todo]**.

## Borrar grupo

En la lista de grupos, puede seleccionar y eliminar el grupo deseado.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Ajuste de grupos]**.
  - Se muestra la pantalla Configuración de grupo.
  - En la lista de control, seleccione el grupo que desea eliminar y haga clic en el botón **[Eliminar]**.
2. Cuando aparezca la ventana de confirmación de eliminación del grupo, haga clic en el botón **[Sí]**.
  - El grupo seleccionado ha sido eliminado.
3. Para completar la eliminación del grupo, haga clic en **[Enviar todo]**.

## Ajustes del sistema

Puede cambiar la configuración del sistema.

- En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Ajustes del sistema].
  - Se muestra la pantalla Configuración del sistema.
- Ajuste el sistema.

**Ajustes del sistema**
Cancelar    Aplicar

Título

Idioma  ▼

Índice de calidad del aire  ▼

Formato de día  ▼

Formato de hora  ▼

Temperatura  ▼

Ajuste la temperatura más baja para FRÍO/CALOR.  ▼

Se aplica solo cuando el modo es FRÍO/CALOR.

Utilizar la navegación de energía  Fijar     Limpiar

Base de datos de estadísticas de utilización de energía  ▼

Categoría	Descripción
Título	Introduzca el nombre deseado en el campo de nombre
Idioma	Pulse el botón [▼] para seleccionar el idioma deseado. (한국어/ English/ Español/ Português/ Italiano/ Deutsch/ Türkçe/ Polski/ русский/ Français/ 中文/ Čeština)
Índice de calidad del aire	Seleccione el país de referencia para la visualización del nivel de polvo fino. (한국/Global/USA/中国/India)
Formato de día	Puede ajustar la formato de día. (YYYY-MM-DD / MM-DD-YYYY / DD-MM-YYYY)
Formato de hora	Puede ajustar la formato de hora. (12 / 24)
Temperatura	Pulse el botón [▼] para seleccionar el tipo de unidad para usar en el control de temperatura (Celsius 0,5°C/Celsius 1°C/Fahrenheit 1°F)
Ajuste la temperatura más baja para FRÍO/CALOR.	Presione el botón [▼] para seleccionar la temperatura límite inferior de refrigeración/calefacción deseada (16 °C / 18 °C)
Utilizar la navegación de energía	Seleccione si utilizar la navegación de Energía
Base de datos de estadísticas de utilización de energía	Pulse el botón [▼] para seleccionar la fecha deseada <ul style="list-style-type: none"> <li>Configuración de la fecha base de la cantidad de uso de energía mensual de navegación de energía</li> <li>Calcula los días hasta el día anterior del mes siguiente a partir de la fecha establecida</li> </ul>

- Utilizar 'Plano'  Fijar  Limpiar
- Usar widget de concentración de CO<sub>2</sub>  Fijar  Limpiar
- Usar widget de confort  Fijar  Limpiar
- Usar widget de polvo fino  Fijar  Limpiar
- Usar widget de estado de funcionamiento inteligente con IA  Fijar  Limpiar
- Habilitar cambio automático y límite de temperatura  Fijar  Limpiar
- Aplicar fórmula apertura de compuerta  Fijar  Limpiar
- Confort: ajuste de estación  Verano  Invierno

Categoría	Descripción
Utilizar la 'Plano'	Seleccione si utilizar la 'Plano'
Usar widget de concentración de CO <sub>2</sub>	Cuando está configurado, el panel del complemento CO <sub>2</sub> estará activo
Usar widget de confort	Cuando está configurado, el panel del complemento de entorno agradable estará activo
Usar widget de polvo fino	Cuando está configurado, el panel del complemento de polvo fino estará activo
Usar widget de estado de funcionamiento inteligente con IA	Si establece esta opción, se activa el widget de estado de funcionamiento con IA en el panel.
Habilitar cambio automático y límite de temperatura	Habilita el cambio de control central automático y la función de límite de temperatura.
Aplicar fórmula apertura de compuerta	<ul style="list-style-type: none"> <li>• Seleccione si desea aplicar la fórmula de apertura de la compuerta</li> <li>• Cuando se establece la apertura de la compuerta, el funcionamiento es OA=EA y OA+MIX=90</li> </ul>
Confort: ajuste de estación	Ajuste de invierno / verano para el cálculo de la estación agradable Cuando se establece el verano, el rango de sensación agradable se ajusta a una temperatura más baja

Gestión del objetivo de energía

Fijar

Programar ajustes de la fecha de excepción

Fijar

Para registrar el dispositivo de excepción de programación

Fijar

Copia de seguridad de los datos de ajustes

Copia de seguridad

Aplicar archivo de copia de seguridad

Reinicio del sistema

Reiniciar

Enviar estado de instalación

Enviar

Categoría	Descripción
Gestión del objetivo de energía	Fijación de objetivos de cantidad de energía objetivo para la administración de la energía (Panel de control)
Programar ajustes de la fecha de excepción	Introduzca la fecha de excepción para los ajustes de programación
Para registrar el dispositivo de excepción de programación	Configurar el dispositivo con una excepción en la programación anticipada
Copia de seguridad de los datos de ajustes	<ul style="list-style-type: none"> <li>• Copia de seguridad: copia de seguridad de datos en el ordenador (En el dispositivo AC Smart 5, se almacena en el dispositivo USB).</li> <li>• Aplicación de archivo de copia de seguridad: sobrescribe los datos con el archivo de seguridad guardado en el ordenador</li> </ul>
Reinicio del sistema	Reiniciar todo el sistema
Enviar estado de instalación	Guardar el estado de la instalación en la PC (En el dispositivo AC Smart 5, se almacena en el dispositivo USB).

Hora del sistema 18-06-2018 11:51

Ajustes de fecha 18-06-2018 ▼

Ajuste de hora

11	▲ ▼	51	▲ ▼
----	--------	----	--------

Si cambia la fecha o la hora del sistema, este se reiniciará y tendrá que iniciar sesión de nuevo.

Horario de verano  Fijar  Limpiar

Fecha de inicio

1Mes	▼	primero	▼	Lun.Días	▼	1:00	▼
------	---	---------	---	----------	---	------	---

Fecha de finalización

1Mes	▼	primero	▼	Lun.Días	▼	1:00	▼
------	---	---------	---	----------	---	------	---

Versión

Ver.1.40.0  
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Categoría	Descripción
Hora del sistema	Comprueba la hora del sistema
Ajustes de fecha	Puede ajustar la fecha.
Ajuste de hora	Puede ajustar la hora actual.
Horario de verano	Ajuste/cancelación de la fecha de inicio y finalización del horario de verano (horario de verano)
Versión	Puede comprobar la versión

3. Una vez realizada la configuración, haga clic en el botón **[Aplicar]**.

- ➔ Selección de la fecha de excepción
- ➔ Borrar fecha de excepción
- ➔ Para registre el dispositivo de excepción de programación

#### Nota

- Cuando se cambia la hora o la fecha del sistema, es posible que se borren estos datos y que deba introducirlos de nuevo.

## Ajustes de la red

Puede establecer o cambiar la información de la red.

- En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Ajuste red].
  - Se muestra la pantalla Ajuste red.
- Establecer la información de red.

Cancelar Aplicar

**Activar IPv4**  Ajustes  Cancelar

**Configuración de la dirección IPv4**  AUTO  Manual  
Si el dispositivo se establece como DHCP, es posible cambiar la dirección IP.

**Información de IPv4**

Dirección IP

Máscara de subred

Puerta de enlace   
básica

**Activar IPv6**  Ajustes  Cancelar

**Configuración de la dirección IPv6**  Configuración automática  DHCP  Manual  
Si el dispositivo se establece como DHCP, es posible cambiar la dirección IP.

**Información de IPv6**

Dirección IPv6

dirección IP

longitud del prefijo   
de subred

**Configuración DNS**  AUTO  Manual

DNS principal

DNS secundaria

**Dirección MAC**

Dirección MAC

**Web Port Fijar**

Número de puerto

※ Un puerto no utilizable es un puerto definido como Puerto Público o un puerto utilizado por AC Smart 5.

Categoría	Descripción
Activar IPv4	<b>Ajustes/Cancelar</b> la dirección de utilización IPv4
Configuración de la dirección IPv4	Compruebe la configuración de la dirección IPv4 <b>AUTO(DHCP) / Manual</b> Si usa AUTO(DHCP), la dirección IP puede cambiarse. Por tanto, recomendamos utilizar la configuración de dirección IP manual.
Información de IPv4	Compruebe la dirección IPv4
Activar IPv6	<b>Ajustes/Cancelar</b> la dirección de utilización IPv6
Configuración de la dirección IPv6	Compruebe la configuración de la dirección IPv6 <b>Configuración automática/DHCP/Manual</b> Si usa DHCP, la dirección IP puede cambiarse. Por tanto, recomendamos utilizar la configuración de dirección IP automática o manual.
Información de IPv6	Compruebe la dirección IPv6
Configuración DNS	<b>[AUTO]:</b> Establece automáticamente el DNS principal y DNS secundario <b>[Manual]:</b> El usuario establece el DNS principal y DNS secundario
Dirección MAC	Compruebe la dirección MAC
Web Port Fijar	Configuración del puerto (rango: 443, 1024~49151)

### Nota

La configuración de red se puede establecer en Dispositivo, de esta manera solamente se podrán cambiar algunas configuraciones en la Web.

- Una vez realizada la configuración, haga clic en el botón [Aplicar].

## Configuración de notificaciones

Puede configurar o cambiar los valores de Notificación de error y Notificación de energía.

### Notificación de error

Puede establecer o cambiar la Configuración de notificaciones.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes]** > **[Configuración de notificaciones]** .
  - Se muestra la pantalla configuración de notificaciones.
2. Ajuste de la Configuración de notificaciones.

Categoría	Descripción
Configuración de uso de correo electrónico	Selección de establecimiento o eliminación de la notificación y si enviar la dirección del dispositivo que ha tenido el error y el número de error a una dirección de correo electrónico.
Título del correo electrónico	Configuración del título de correo electrónico
Dirección de recepción de correo electrónico	Introduzca la dirección del correo electrónico de recepción
Ciclo de envío cuando se produce un error	Configure el ciclo de transmisión en caso de error (10/20/30/40/50/60 min.)
Repetir el envío cuando se produzca un error	Una vez: se envía una vez la misma alarma de error cuando se produce un error. Repetir: se envía la misma alarma de error varias veces en cada ciclo.
Mail diario automático de Configuración de notificaciones	Envío automático de mensaje de correo electrónico una vez al día cuando no se produce ningún error

3. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.

### Notificación de energía

Puede configurar o cambiar los valores de Notificación de energía.

1. Pulse la pestaña **[Notificación de energía]** en la parte superior de la pantalla.
2. Configure la Notificación de energía.

**Configuración de notificaciones** Cancelar

**Notificación de energía**

Configuración de uso de correo electrónico  Fijar  Limpiar

Título del correo electrónico

Dirección de recepción de correo electrónico

Elemento de notificación  Tiempo de funcionamiento  Electricidad  Electricidad (cantidad total a lo largo del tiempo)  
 Gas  TOE  CO<sub>2</sub>

Intervalo de alerta

Categoría	Descripción
Configuración de uso de correo electrónico	Configure si desea que se le envíen los datos de uso energético por correo electrónico.
Título del correo electrónico	Configuración del título de correo electrónico
Dirección de recepción de correo electrónico	Introduzca la dirección del correo electrónico de recepción
Elemento de notificación	Seleccionar elementos de energía
Intervalo de alerta	Pulse el botón <b>▼</b> para seleccionar la fecha deseada. <ul style="list-style-type: none"> <li>Configure la fecha en la que desea recibir los datos de uso energético por correo electrónico.</li> <li>Calcula los datos correspondientes al periodo de un mes hasta el día antes de la fecha establecida.</li> </ul>

3. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.

### Nota

Antes de configurar el uso del correo electrónico, verifique las siguientes categorías.

- Debe estar establecido el servidor DNS en [Ajustes]> [Ajustes de la red].
- Deben estar establecidos el servidor de correo y la dirección de correo electrónico de envío en [Ajustes]> [Ajustes del administrador].

## Ajustes del administrador

Puede seleccionar o cambiar el entorno de administración del usuario cuando el usuario inicia sesión con autoridad de administrador.

1. En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Ajustes del administrador].

- Se muestra la pantalla Configuración del Administrador. Puede cambiar la información del administrador o establecer el entorno de uso del sistema.

### Configuración del administrador

Cancelar    Aplicar

#### Establecer contraseña

Contraseña actual

Nueva contraseña

Verifique la nueva contraseña

#### Ajuste de recepción de correo electrónico

E-mail

※ Cuando agrega un nuevo control de Interbloqueo, si selecciona Enviar correo electrónico con condición de salida Puede recibir información de ejecución de la Interbloqueo en el correo electrónico del administrador seleccionado.

#### Configurar el servidor de correo electrónico

SMTP Servidor

Puerto

Alcance 2~65535

※ Mientras edita los ajustes del servidor de correo electrónico o la configuración de correo electrónico entrante/saliente no puede realizar la [Prueba de conexión]. Haga clic en el botón [Aplicar] para guardar los cambios y, a continuación, inténtelo de nuevo.

※ Para realizar la [Prueba de conexión] de la configuración del servidor de correo electrónico o para recibir/enviar correos electrónicos mediante el controlador central primero debe ajustar [Ajuste red] > [Configuración DNS].

Prueba de conexión

#### Ajuste de envío de correo electrónico

ID

Contraseña

※ Debe guardar la ID y contraseña del servidor de correo electrónico (servidor SMTP) que pasó correctamente la prueba de conexión para enviar correos a través del servidor de correo electrónico.

**Configurar el Menú**

Panel de control

Control

Control de dispositivo     Control de programación     Interbloqueo  
 Control del límite de tiempo     Hotelera solución (BACnet)

Energía

Uso energético     Navegación de energía     Control de Pico/demanda  
 Coste de la unidad de energía

Historial

Historial de funcionamiento     Historial de navegación de energía     Tendencia de funcionamiento  
 Ciclo

Fijar

Instalando     Ajuste de grupos     Ajustes del sistema     Ajuste red  
 Ajuste de aviso de error     Configuración del administrador     Ajustes de usuario adicional  
 Pantalla de ajuste     Adelantar el ajuste     TMS ajuste     BACnet/Modbus ajuste  
 Supervisión de partículas en suspensión en interiores

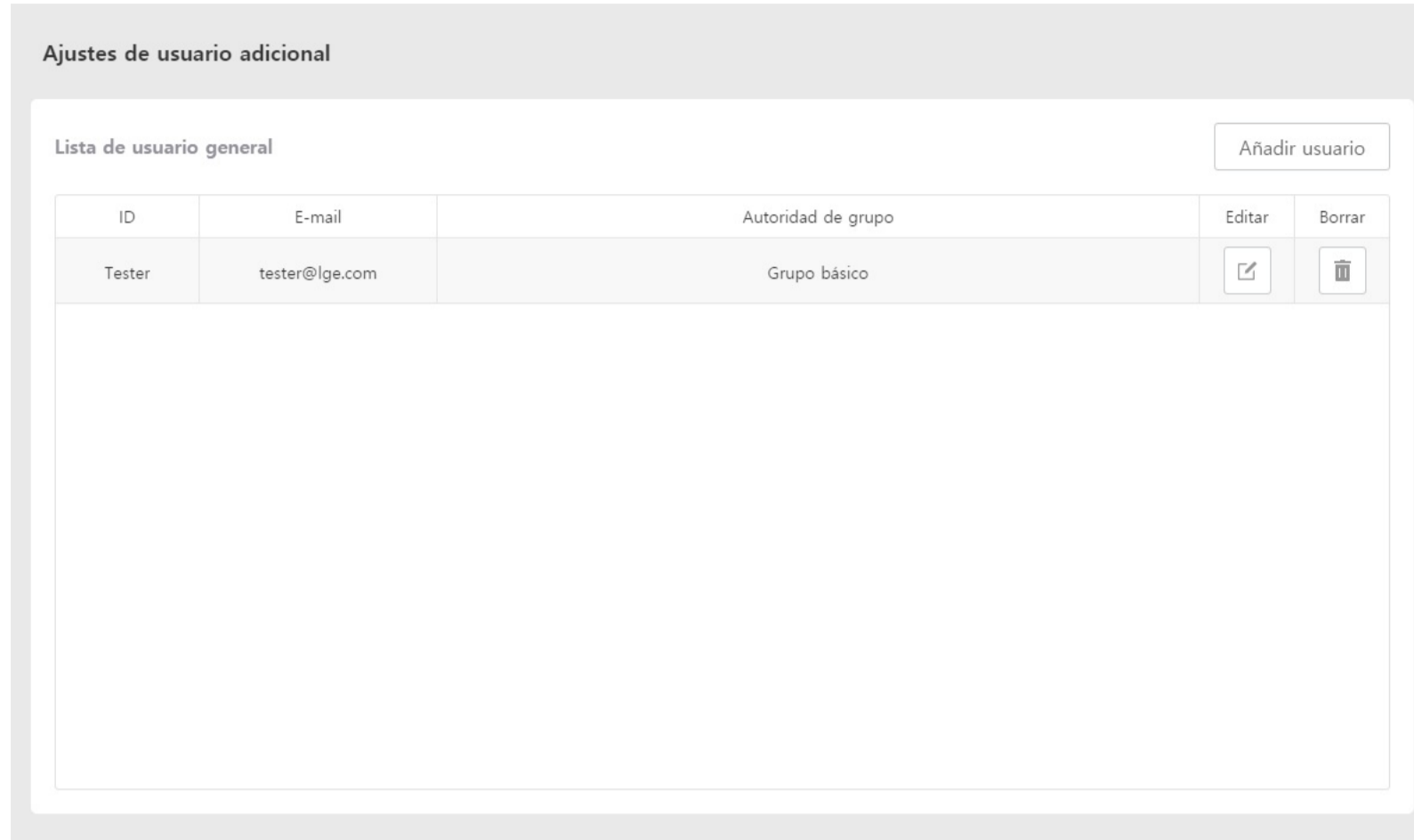
Categoría	Descripción
Establecer contraseña	<p>Establezca la contraseña para usar en el inicio de sesión</p> <ul style="list-style-type: none"> <li>• Contraseña actual: Introduzca la contraseña utilizada actualmente para el inicio de sesión</li> <li>• Nueva contraseña: Introduzca la nueva contraseña</li> <li>• Verificación de nueva contraseña: Introduzca la misma contraseña una vez más</li> </ul>
Ajuste de recepción de correo electrónico	<p>Introduzca la dirección de correo electrónico</p>
Configurar el servidor de correo electrónico	<p>Configuración del servidor de correo del administrador</p> <ul style="list-style-type: none"> <li>• Servidor SMTP: Dirección del servidor SMTP de entrada</li> <li>• Puerto: N° puerto de entrada</li> <li>• Prueba de conexión: Prueba de cuenta de correo de entrada (debe haber conexión a la red)</li> </ul>
Ajuste de envío de correo electrónico	<ul style="list-style-type: none"> <li>• Identificador: Introducir ID de usuario</li> <li>• Contraseña: Introducir contraseña de usuario</li> </ul>
Configurar el Menú	<p>Haga clic en la casilla de verificación para seleccionar el menú de administrador deseado (puede seleccionar varios)</p> <ul style="list-style-type: none"> <li>• Panel de control</li> <li>• Control: Control de dispositivo, Control de programación, Interbloqueo, Control del límite de tiempo, Hotelera solución (BACnet)</li> <li>• Energía: Uso energético, Navegación de energía, Control de pico/demanda, Coste de la unidad de energía</li> <li>• Historial: Historial de funcionamiento, Historial de navegación de energía, Tendencia de funcionamiento, Ciclo</li> <li>• Ajustes: ajustes de dispositivo, Ajustes de grupos, Ajustes del sistema, Ajustes de red, Ajustes de la red, Ajustes del administrador, Ajustes de usuario adicional, Pantalla de ajuste, Adelantar el ajuste, TMS ajuste, BACnet/Modbus ajuste, Supervisión de partículas en suspensión en interiores, Configurar supervisión de partículas en suspensión</li> </ul>

2. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.

## Ajustes de usuario adicional

Puede gestionar la lista de usuarios adicionales cuando se conecte con la autoridad de administrador.

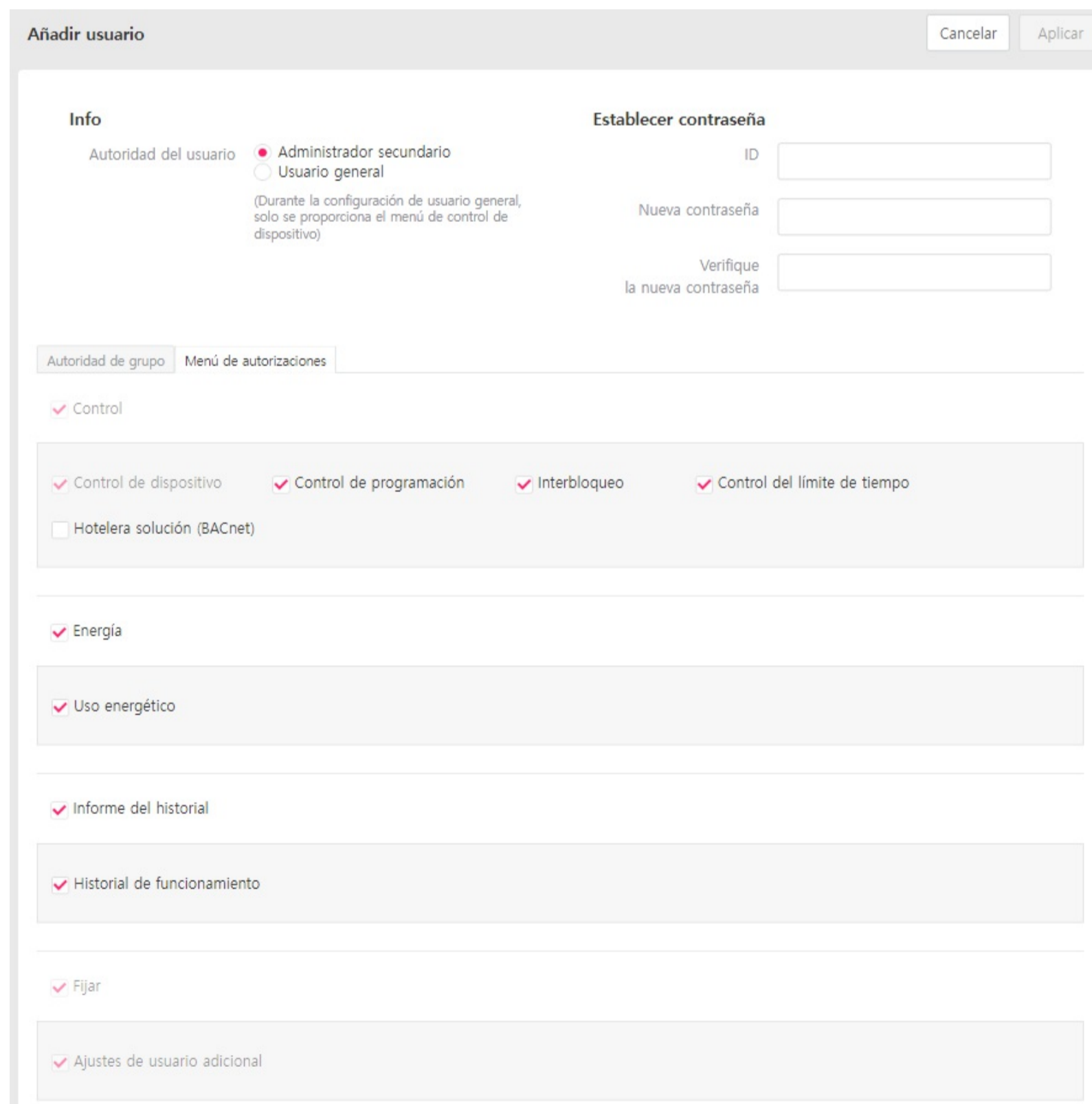
- En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Ajustes de usuario adicional].
  - Se muestra la pantalla Ajustes de usuario adicionales. Puede añadir usuarios o editar o eliminar la información registrada del usuario.



## Añadir usuario

Puede añadir un administrador secundario y un usuario general.

- En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Ajustes de usuario adicional].
  - Se muestra la pantalla Ajustes de usuario adicionales.
- Haga clic en el botón [Añadir usuario].
  - Se muestra la pantalla Añadir usuario.
- Ajuste de cada categoría.



Categoría	Descripción
Info	<b>[Autoridad del usuario]</b> <ul style="list-style-type: none"> <li>Administrador secundario: Proporciona autoridad sobre el menú asignado</li> <li>Usuario general: Proporciona solo el menú de control de dispositivo</li> </ul>
Establecer contraseña	<b>[ID]:</b> ID a utilizar <b>[Contraseña]:</b> contraseña a utilizar <b>[Verificar contraseña]:</b> repita la contraseña que desea utilizar
	Asignar autorización de grupo al usuario adicional

Autoridad de grupo	<ul style="list-style-type: none"><li>• Cuando se selecciona un grupo, solamente se puede controlar el grupo correspondiente</li></ul>
Menú de autorizaciones	Menú de asignación de autorizaciones por usuario adicional <ul style="list-style-type: none"><li>• Para los usuarios generales, solamente se asignan las autorizaciones <b>[Control]-[Control de dispositivo], [Ajustes]-[Ajustes de usuario adicional]</b></li></ul>

4. Una vez realizada la configuración, haga clic en el botón **[Aplicar]**.

## Eliminar usuario

Puede eliminar un usuario registrado.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Ajustes de usuario adicional]**.
  - Se muestra la pantalla Ajustes de usuario adicionales
2. Haga clic en el botón **[Limpiar]** del usuario a eliminar.
  - Se muestra la pantalla Eliminar usuario.
3. Haga clic en el botón **[Sí]**



## Pantalla de ajuste

Puede configurar la pantalla del producto según su entorno de utilización.

1. En la pestaña de menú de la izquierda, haga clic en **[Ajustes] > [Pantalla de ajuste]** .
  - Se muestra la pantalla Pantalla de ajuste.
2. Configure la información de la pantalla.

**Pantalla de ajuste** Cancelar Aplicar

Usar apagar monitor  Fijar  Limpiar

Tiempo hasta apagar el monitor (en minutos) 10Minuto ▼

Categoría	Descripción
Pantalla de ajuste	<ul style="list-style-type: none"><li>• Utilización de la función de apagado del monitor: uso de la función de apagado del monitor <b>ajuste/cancelación</b></li><li>• Tiempo de espera de apagado del monitor (mín.): Configure el tiempo de espera hasta el apagado automático del monitor (10/20/30/40/50/60 min.)</li></ul>

3. Una vez realizada la configuración, haga clic en el botón **[Aplicar]**.

## Adelantar el ajuste

Puede establecer las funciones necesarias para el funcionamiento del dispositivo.

- En la pestaña de menú de la izquierda, haga clic en [Ajustes] > [Adelantar el ajuste] .
  - Se muestra la pantalla de Adelantar el ajuste.

**Adelantar el ajuste**
Cancelar    Aplicar

---

**Ajustar dispositivo conectado**

Monitor de ciclos     Fijar     Limpiar

Control de ciclos     Fijar     Limpiar

Controlador esclavo     Fijar     Limpiar

Bloqueo de controlador esclavo     Fijar     Limpiar

Configurando estado normal del puerto DI1     ABIERTO     CERRADO


---

**Diferencial**   

---

**Operación de retorno del aceite de la unidad exterior**

Uso     Fijar     Limpiar

Tipo     Concurrente     Secuencial 

Hora    Diariamente       en punto

Categoría	Descripción
Ajustar dispositivo conectado	<ul style="list-style-type: none"> <li>Monitor de ciclos: establece si se utilizará el control de la información del ciclo</li> <li>Control de ciclos: establece si se debe ejecutar el control del ciclo</li> <li>Controlador esclavo: establece si es posible ejecutar el control del control secundario</li> <li>Bloqueo de controlador esclavo: establece si el control del controlador secundario es posible para la unidad interior con todo el conjunto bloqueado (Utilice: No es posible ejecutar el control del controlador secundario)</li> <li>Configurando estado normal del puerto DI1: configura el estado normal del puerto DI1.</li> </ul>
Configuración de diferencia de temperatura	Pulse el botón [▼] para establecer la diferencia de temperatura para el cambio automático de funcionamiento
Recuperación de aceite de la unidad exterior	<ul style="list-style-type: none"> <li>Establece si se ejecuta la operación de recuperación de aceite de la unidad exterior</li> <li>Configure la recuperación de aceite de la unidad exterior en funcionamiento Concurrente/Secuencial.                             <ul style="list-style-type: none"> <li>- Funcionamiento Concurrente: opera la recuperación de aceite de la unidad exterior al mismo tiempo.</li> <li>- Funcionamiento Secuencial: pone en marcha la recuperación de aceite de la unidad exterior de forma secuencial en un intervalo de 10 minutos.</li> </ul> </li> <li>Pulse el botón [▲] / [▼] para configurar el tiempo de operación de recuperación de aceite de la unidad exterior</li> </ul>

- Para guardar los contenidos aplicados, haga clic en el botón [Aplicar].

## TMS ajuste

Puede configurar el servicio remoto que puede administrar el sistema a distancia.

1. En la pestaña de menú de la izquierda, haga clic en **[Ajustes] > [TMS ajuste]** .
  - Se muestra la pantalla TMS ajuste.

**TMS ajuste**
Cancelar    Aplicar

---

**Configuración de TMS**

Fijar     Limpiar

TMS 2.0     TMS 3.0  
TMS 3.0 se debe establecer después de consultar con un ingeniero profesional de TMS.

---

**Información del servicio TMS**

Dirección del servicio TMS:

Puerto del servidor TMS:

Ciclo de actualización (en segundos):  ▼

Acelerar la supervisión de ciclos de la unidad exterior

Fijar     Limpiar  
Acelerar la supervisión de ciclos de la unidad exterior se debe establecer después de consultar con un ingeniero profesional de TMS.

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**Información del sitio**

Dirección del sitio:

Nombre del sitio:

Código del sitio:

Categoría	Descripción
Configuración de TMS	<ul style="list-style-type: none"> <li>• Establece si se debe usar el servicio remoto</li> <li>• Establece el tipo de servidor para servicio remoto                             <ul style="list-style-type: none"> <li>- Botón <b>[TMS 2.0]</b> : Conectar a servidor TMS 2.0</li> <li>- Botón <b>[TMS 3.0]</b> : Conectar a servidor TMS 3.0</li> </ul> </li> </ul>
Información del servicio TMS	<ul style="list-style-type: none"> <li>• Dirección del servicio TMS: introduzca la dirección del servidor del servicio remoto</li> <li>• Puerto del servidor TMS: introduzca el número del puerto del servidor del servicio remoto</li> <li>• Actualizar ciclo (segundo): Pulse el botón <b>[▼]</b> para seleccionar el ciclo de actualización del servicio remoto 10 / 30 / 60 / 90 / 120 segundos</li> <li>• Acelerar la supervisión de ciclos de la unidad exterior: Establece si se acelera la supervisión de ciclos de la unidad exterior</li> </ul>
Información del sitio	<ul style="list-style-type: none"> <li>• Dirección del sitio: introduzca la dirección del sitio remoto</li> <li>• Nombre del sitio: introduzca el nombre del sitio remoto</li> <li>• Código del sitio: Presione el botón <b>[Solicite código del sitio]</b> para introducir el código del sitio</li> </ul>

2. Para guardar los contenidos aplicados, haga clic en el botón **[Aplicar]**.

## Ajustes de BACnet/Modbus

### Guía para autenticación BTL

Tiene que configurar BACnet como tipo C para que los dispositivos funcionen con las opciones que se autentican mediante BTL.

Los tipos de BACnet A y B existen para mantener la compatibilidad con los productos existentes. Si configura BACnet como tipo A o B, los dispositivos pueden usar las opciones no autenticadas mediante BTL, lo que hará que funcionen de modo distinto al estándar.

#### Método de funcionamiento según el tipo de BACnet

- Tipo A: crea varios dispositivos y los objetos se incluyen en el dispositivo de cada equipo. Varios dispositivos responden utilizando la misma dirección MAC para sus direcciones físicas.
- Tipo B: crea varios dispositivos y los objetos se incluyen en el dispositivo de cada equipo. Los dispositivos responden cada uno con una dirección física exclusiva.
- Tipo C: crea un único dispositivo que incluye todos los objetos.

※ Precaución: Si cambia el tipo, el número de dispositivo podría cambiarse, por lo que serían necesarias labores de ingeniería adicionales con el BMS.

Es posible cambiar la configuración BACnet/Modbus.

1. En la pestaña de menú de la izquierda, haga clic en [Ajustes] > [Ajustes de BACnet/Modbus] .
  - Se muestra la pantalla Ajustes de BACnet/Modbus.
2. Configure la información de la BACnet/Modbus.

BACnet/Modbus ajuste
Cancelar    Aplicar

---

**Activar BACnet**     Fijar     Limpiar

---

**Ajuste de las unidades de temperatura**     °C     °F

---

**Ajuste de la ID del dispositivo**

9000

---

**Ajuste del Network Number**

0

---

**Registrar como dispositivo exterior**     Fijar     Limpiar

IP: 192.168.0.1

Puerto: 47808

TTL: 36000

---

**Solo ajuste de monitorizado**     Fijar     Limpiar

---

**BACnet Puerto Setting**

Puerto ACP: 47808

Puerto BMS: 47808

---

**Configuración de tipo BACnet**     Tipo A     Tipo B     Tipo C

---

**Configuración de sincronización de hora**     Fijar     Limpiar

---

**Activar Modbus TCP**     Fijar     Limpiar

---

**Ajuste del número Vnet**

10

Categoría	Descripción
Activar BACnet	Activar BACnet <b>Fijar/Limpiar</b>
Ajuste de las unidades de temperatura	Seleccione el tipo de unidad de temperatura (°C / °F)
Ajuste de la ID del dispositivo	Configuración de la ID de dispositivo para designar el número de instancia de dispositivo <ul style="list-style-type: none"> <li>• Aire acondicionado: ID del dispositivo</li> <li>• ERV: Dispositivo ID + 1</li> <li>• AHU: Dispositivo ID + 2</li> <li>• Información del ciclo de la unidad interior: Dispositivo ID + 3</li> <li>• Heating: Dispositivo ID + 4</li> <li>• Normal : Dispositivo ID + 5</li> </ul>

Ajuste del Network Number	Ajuste del Network Number
Registrar como dispositivo exterior	Dispositivo externo <b>Fijar/Limpiar</b>
Solo ajuste de monitorizado	Supervisión solamente <b>Fijar/Limpiar</b>
BACnet Puerto Setting	BACnet Puerto Setting
Configuración de tipo BACnet	Selección del tipo de BACnet (A/B/C)
Configuración de sincronización de hora	Sincronización del tiempo <b>Fijar/Limpiar</b>
Activar Modbus TCP	Activar Modbus TCP <b>Fijar/Limpiar</b>
Ajuste del número Vnet	Configuración del número Vnet para usar la función Modbus TCP Establecer el valor del número de Vnet que funciona como la dirección ID secundaria de Modbus TCP

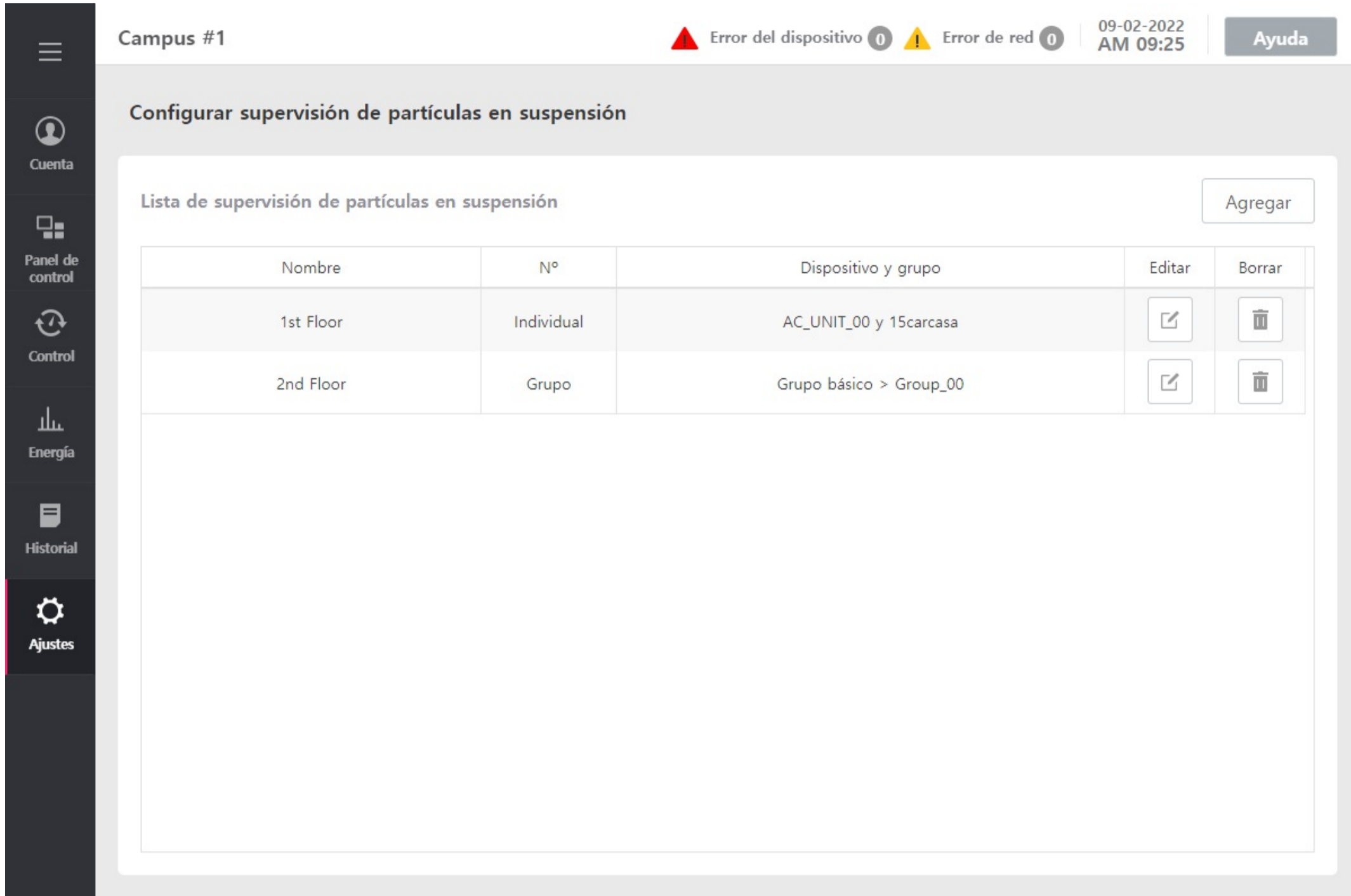
3. Una vez realizada la configuración, haga clic en el botón **[Aplicar]**.

## Configurar supervisión de partículas en suspensión.

Esta opción le permite establecer y administrar la supervisión de partículas en suspensión.

1. En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Configurar supervisión de partículas en suspensión].

- Aparecerá la ventana para configurar la supervisión de partículas en suspensión. Puede añadir tareas de supervisión de partículas en suspensión y editar o eliminar las tareas que aparecen.







Campus #1

▲ Error del dispositivo 0 ▲ Error de red 0 09-02-2022 AM 09:25 Ayuda

### Configurar supervisión de partículas en suspensión

Lista de supervisión de partículas en suspensión Agregar

Nombre	Nº	Dispositivo y grupo	Editar	Borrar
1st Floor	Individual	AC_UNIT_00 y 15carcasa		
2nd Floor	Grupo	Grupo básico > Group_00		

## Añadir/editar tarea de supervisión de partículas en suspensión.

Puede añadir o editar tareas de supervisión de partículas en suspensión.

1. En la pestaña del menú de la izquierda, haga clic en [Ajustes] > [Configurar supervisión de partículas en suspensión].

- Aparecerá la ventana para configurar la supervisión de partículas en suspensión.

2. Haga clic en el botón [Añadir].

- Aparecerá la ventana para añadir una tarea de supervisión de partículas en suspensión.

3. Configure los elementos de la pantalla.

### Configurar supervisión de partículas en suspensión

Cancelar

Aplicar

Nombre

Tipo  Supervisión de grupos  Supervisión de dispositivos individuales

Página de frecuencia de conmutación del dispositivo  ▼

Mostrar certificación de zona de aire limpio  Cancelar  Uso

Imagen  Carga (Tamaño: 3 MB; relación: 8:9 [valor recomendado])

Frecuencia de conmutación de la imagen  ▼

Seleccionar dispositivo

Tipo	Nombre	Dirección	Grupo
 <p>No hay ningún dispositivo registrado. Registre el dispositivo seleccionando el botón Editar dispositivo.</p>			

Campus #1 Error del dispositivo 0 ▲ Error de red 0 ▲ 09-02-2022 AM 09:25 Ayuda

### Configurar supervisión de partículas en suspensión

Cancelar
Aplicar

Nombre

Tipo  Supervisión de grupos  Supervisión de dispositivos individuales

Frecuencia de conmutación del dispositivo  ▼

Utilizar texto alternativo para estado incorrecto

Mostrar certificación de zona de aire limpio  Cancelar  Uso

Imagen  Carga (Tamaño: 3 MB; relación: 8:9 [valor recomendado])

Reiniciar
Agregar

Frecuencia de conmutación de la imagen  ▼

Seleccionar dispositivo Editar

Tipo	Nombre	Dirección	Grupo
<p style="color: red; font-weight: bold; margin-top: 10px;">No hay ningún dispositivo registrado.</p> <p style="color: red; font-weight: bold; margin-top: 5px;">Registre el dispositivo seleccionando el botón Editar dispositivo.</p>			

Elemento	Configuración
Nombre	Configurar el nombre de la supervisión de partículas en suspensión.
Ciclo de conmutación de la página del dispositivo/ciclo de conmutación del dispositivo	Configurar el ciclo de conmutación de la página del dispositivo o el ciclo de conmutación del dispositivo.
Tipo	Configurar el tipo de supervisión. <ul style="list-style-type: none"> <li>Supervisión de grupos: proporciona un nivel de limpieza total y datos estadísticos de grupos.</li> <li>Supervisión de dispositivos individuales: proporciona un nivel de limpieza total e imágenes de cada dispositivo.</li> </ul>
Utilizar texto alternativo para estado incorrecto.	Proporciona texto alternativo e imágenes para el estado de limpieza total Bajo o Más bajo. <ul style="list-style-type: none"> <li>Solo está disponible para la supervisión de dispositivos individuales.</li> </ul>
Mostrar certificación de zona de aire limpio.	Muestra u oculta la pegatina de certificación de zona de aire limpio.
Imagen	Defina la imagen que se va a mostrar durante la supervisión. Puede definir hasta 10 imágenes. <ul style="list-style-type: none"> <li><b>[Importar]</b>: importe una imagen para utilizarla. Cuando aparezca la ventana Importar, seleccione el archivo de imagen que va a añadir y haga clic en el botón <b>[Abrir]</b>.</li> <li><b>[Añadir]</b>: se añade una pestaña de configuración de la imagen.</li> <li><b>[Eliminar]</b>: se elimina una pestaña de configuración de la imagen.</li> <li><b>[Restablecer]</b>: restablece la imagen añadida.</li> <li>Solo está disponible para la supervisión de dispositivos individuales.</li> </ul>
Frecuencia de conmutación de la imagen	Configure la frecuencia de conmutación de la imagen. <ul style="list-style-type: none"> <li>Solo está disponible para la supervisión de dispositivos individuales.</li> </ul>
Editar dispositivo	Seleccione el dispositivo o grupo en el que desea realizar la supervisión de partículas en suspensión. <ul style="list-style-type: none"> <li>Haga clic en el botón <b>[Editar dispositivo]</b> para abrir la ventana emergente de edición del dispositivo.</li> <li>En la lista de dispositivos no registrados, marque la casilla del dispositivo o grupo que desea registrar y haga clic en el botón <b>[◀]</b>.</li> <li>Una vez registrado el dispositivo, haga clic en el botón <b>[Aplicar]</b>.</li> </ul>

4. Una vez completado el ajuste, haga clic en el botón **[Aplicar]**.

## Eliminar supervisión de partículas en suspensión.

Puede eliminar el ajuste de supervisión de partículas en suspensión.

1. En la pestaña del menú de la izquierda, haga clic en **[Ajustes] > [Configurar supervisión de partículas en suspensión]**.

- Aparecerá la ventana para configurar la supervisión de partículas en suspensión.

2. Haga clic en el botón **[Eliminar]** junto al elemento que desea eliminar.

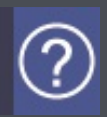
- Aparecerá la ventana emergente de eliminación.

3. Haga clic en el botón [Sí].

### Nota

Tamaño de imagen recomendado (para una resolución 1920 × 1080)

- Horizontal: 960 × 1080 píxeles
- Vertical: 1080 × 840 píxeles



## Uso (móvil, tablet)

- Registro/Salir
- Panel de control
- Control de dispositivo
- Control de programación



## Manual del usuario

Puede acceder al producto con la dirección IP en la ventana de direcciones de Internet y usar las diferentes funciones de control central.

### Nota

- Se recomienda utilizar los navegadores Chrome para el control web.
- Para acceder a la web, es necesario establecer la dirección IP.

## Registro

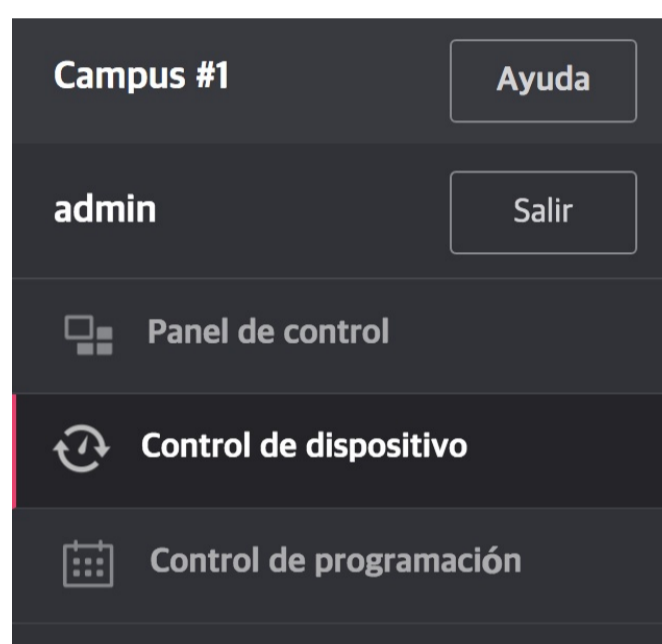
Inicie sesión con el siguiente método.

1. Introduzca la dirección IP del producto en la ventana de direcciones de Internet.
2. Introduzca la ID y contraseña en la ventana de inicio de sesión y haga clic en el botón **[Registro]**.

## Salir

Cierre sesión con el siguiente método.

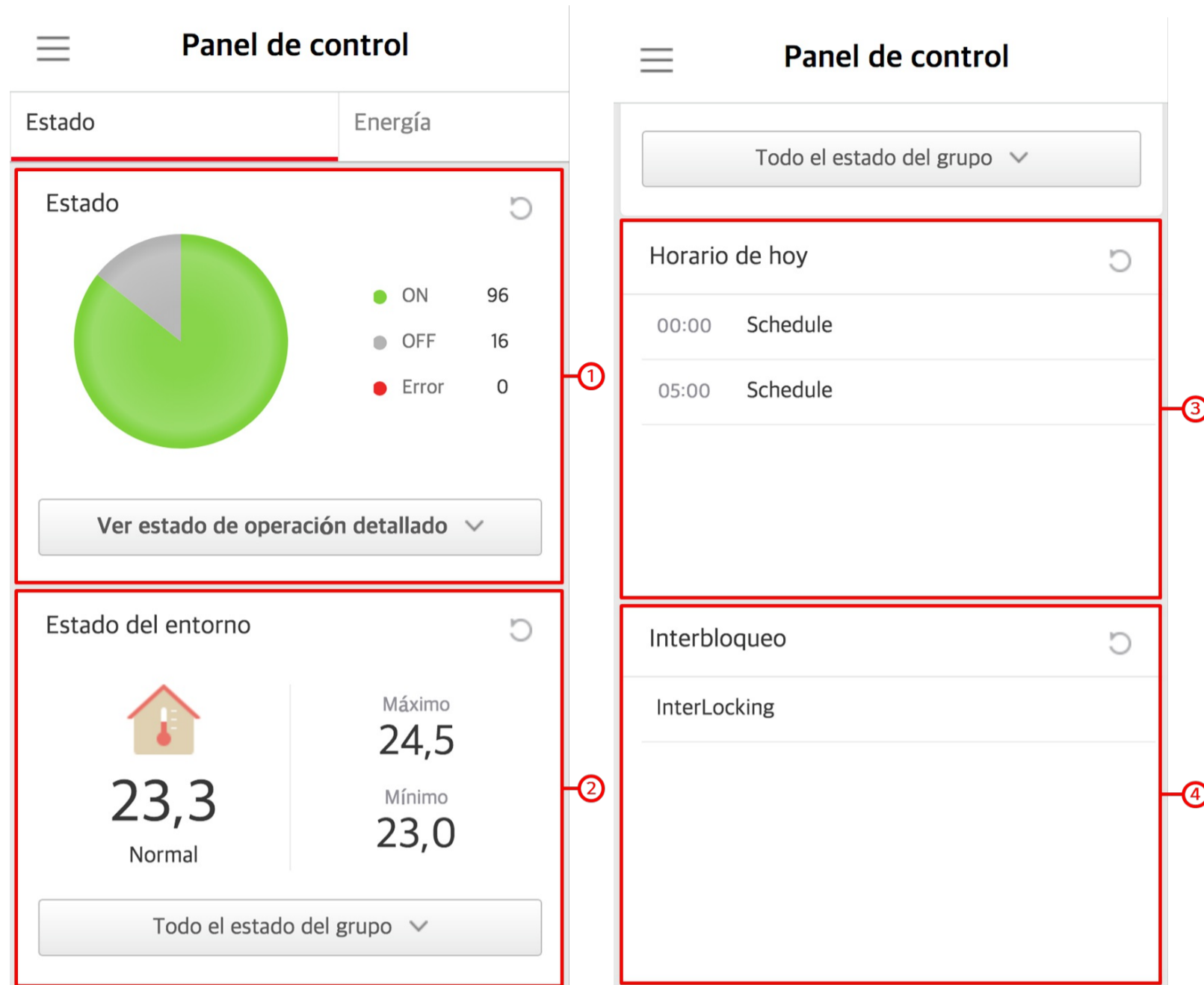
1. En el menú, haga clic en el botón **[Salir]**.



Puede comprobar el estado de funcionamiento actual y la tendencia de uso de electricidad del equipo instalado en el producto.

## Estado

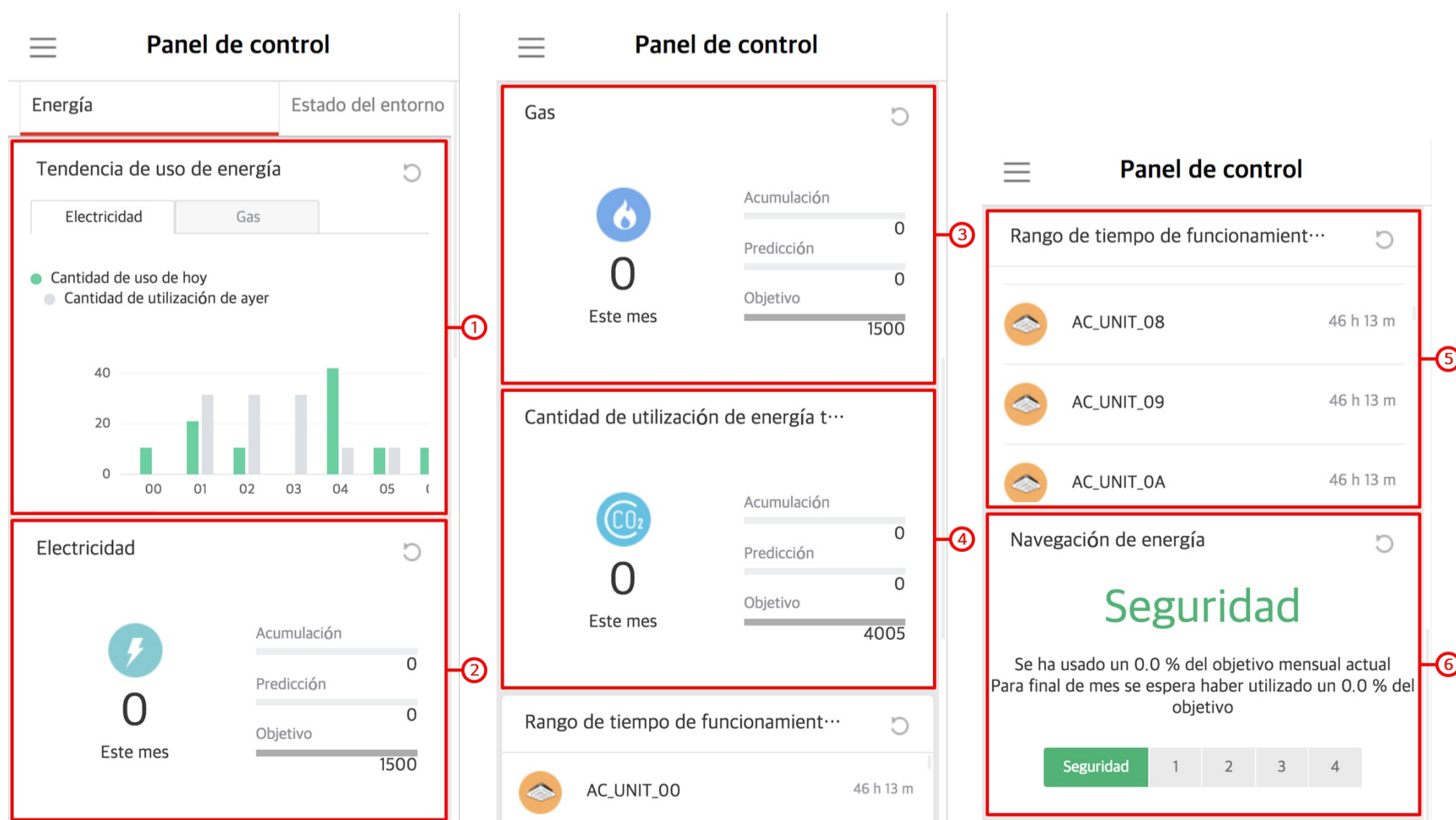
Describe la composición y las funciones de la pestaña de estado de funcionamiento actual en el panel de control.



Nº	Categoría	Contenidos
①	Estado	Compruebe el estado de funcionamiento (ON/OFF/Error) de los equipos instalados en el producto. [Grupo] <ul style="list-style-type: none"> <li>Comprobación del estado de funcionamiento de cada grupo de administración designado por el usuario</li> </ul> [Dispositivo] <ul style="list-style-type: none"> <li>Comprobación del estado de funcionamiento de cada dispositivo</li> </ul>
②	Estado del entorno	Comprobación de la temperatura promedia en el interior, Máx/Mín. temperatura interior y grupo
③	Horario de hoy	Comprobación de la lista de programación de hoy
④	Interbloqueo	Comprobación de la lista de Interbloqueo

## Energía

Describe la composición y las funciones de la pestaña de energía en el panel de control.

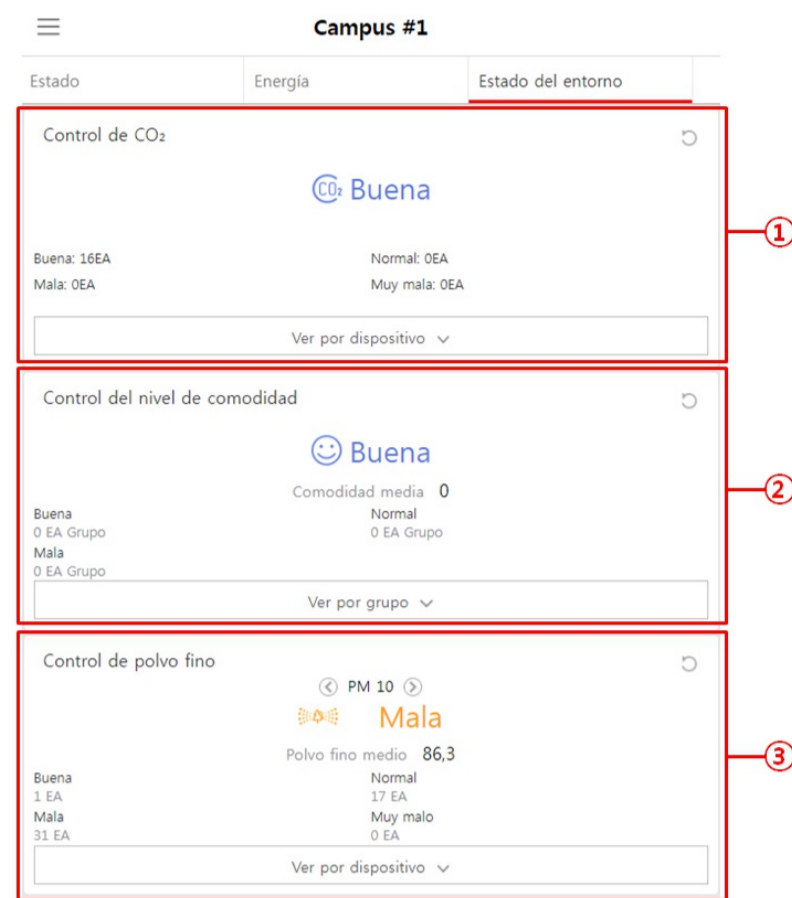


Nº	Categoría	Contenidos
①	Tendencia de uso de energía	Comprobación de la tendencia de uso diario/mensual y anual de electricidad y gas
②	Electricidad	Comprobación del total de uso de electricidad, pronóstico y objetivos
③	Gas	Comprobación del total de uso de gas, pronóstico y objetivos
④	Cantidad de utilización de energía total	Comprobación del total de uso de energía total, pronóstico y objetivos

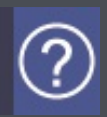
⑤	Rango de tiempo de funcionamiento continuo	Comprobación del rango de tiempo de funcionamiento continuo de la unidad interior
⑥	Navegación de energía	Verifique el estado de navegación de la energía

## Estado del entorno

Describe la composición y las funciones de la pestaña de estado del entorno del panel de control



Nº	Categoría	Contenidos
①	Control de CO <sub>2</sub>	Verifique el estado de CO <sub>2</sub> de la ERV registrada
②	Control del nivel de comodidad	Verifique el estado de comodidad proporcionado por la unidad interior registrada
③	Control de polvo fino	Verifique el estado de polvo fino de la unidad interior registrada, Purificador de aire El polvo fino se clasifica en PM10, PM2.5 y PM1.0, e indica cada estado y concentración



## Control de dispositivo

Describe el método para controlar el dispositivo y para supervisar el estado del dispositivo.

### [Pantalla]

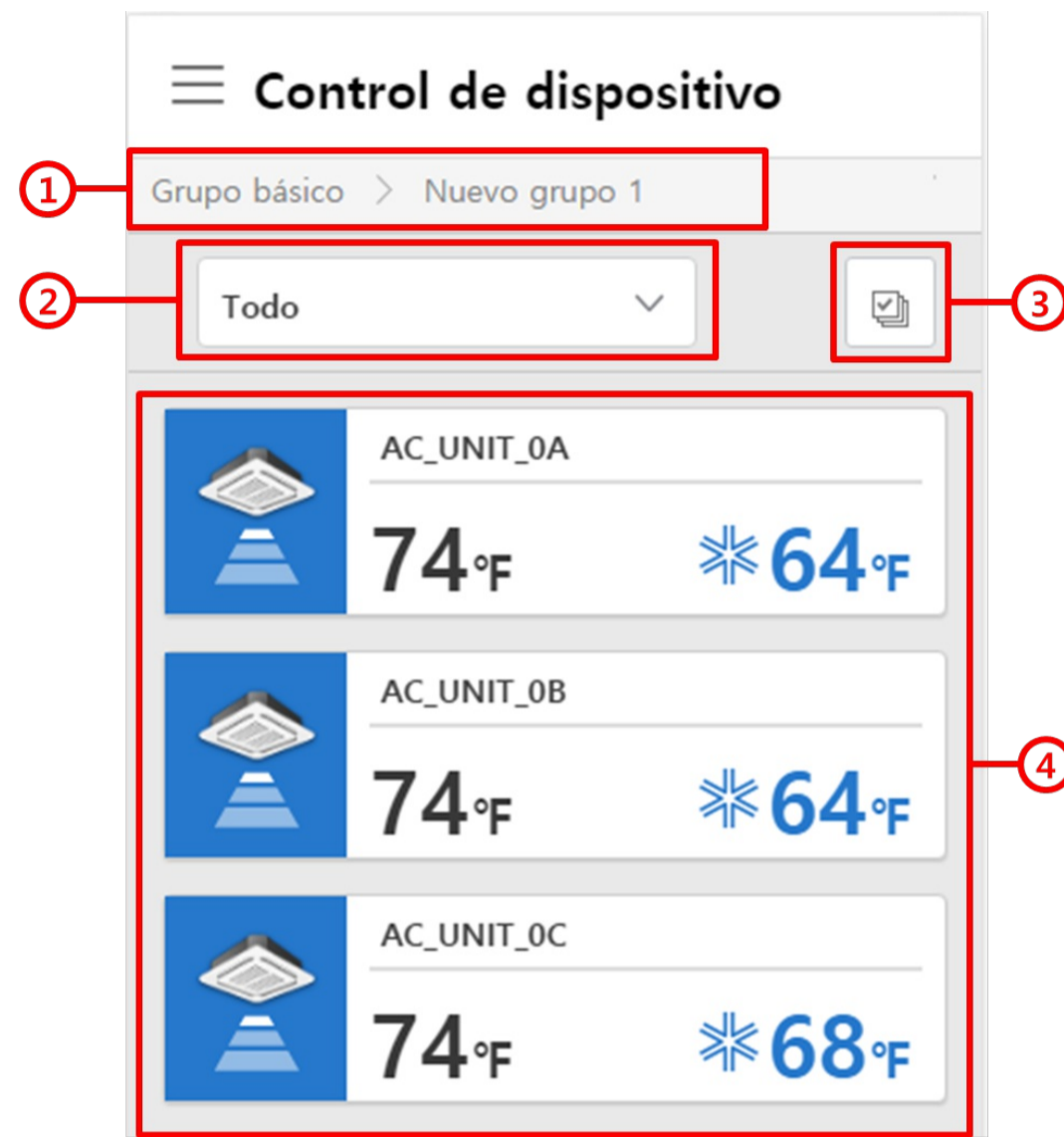
- Estructura y funciones de la pantalla

### [Ventana de control]

- Control de cada dispositivo
- Información del dispositivo

## Estructura y funciones de la pantalla

- En la pestaña del menú de la izquierda, haga clic en [Control] > [control del dispositivo].
  - Se muestra la pantalla de control del dispositivo.



Nº	Categoría	Contenidos
①	Información del grupo	Nombre del grupo y ubicación del grupo
②	Filtros	Filtrado de categoría del dispositivo
③	Selección múltiple	Cuando se marca, selecciona varios dispositivos
④	Sección del dispositivo	Comprobación de la información de los dispositivos establecidos en el grupo

## Control de cada dispositivo

Cuando se selecciona un dispositivo en la sección de dispositivo, se crea una ventana, como se muestra en la siguiente pantalla. A través de la ventana de control, se puede controlar el dispositivo seleccionado.



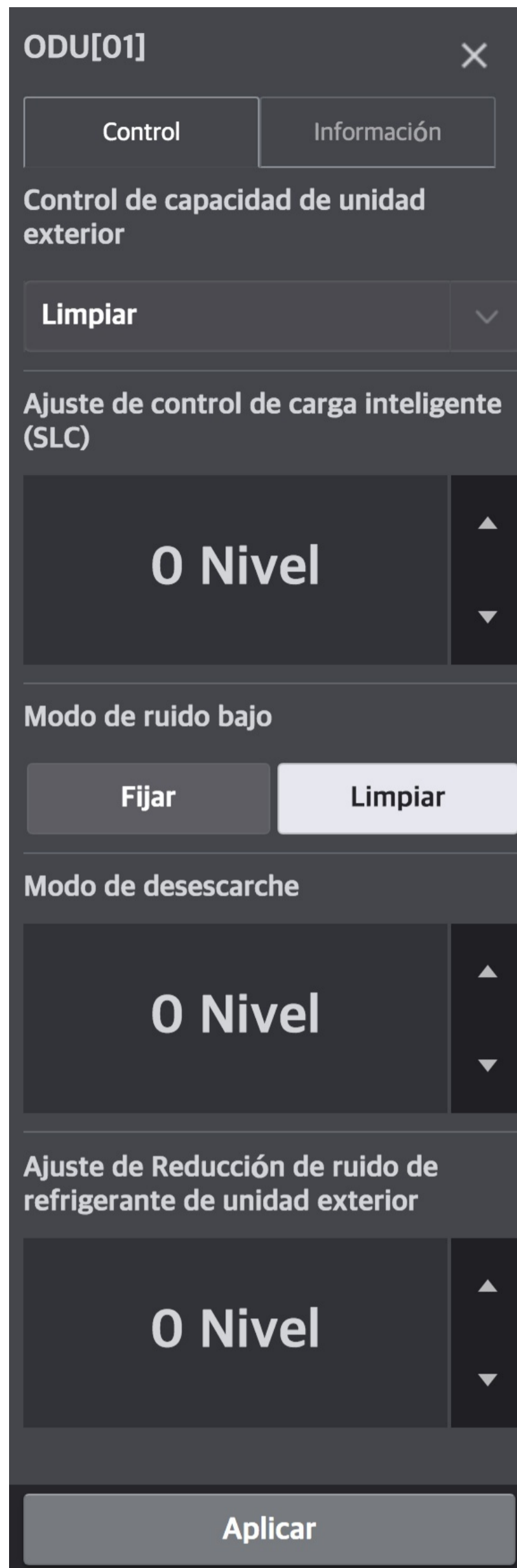
### Nota

- El límite de control de detalle para cada dispositivo puede ser diferente al dispositivo real, así que asegúrese de consultar el manual del dispositivo correspondiente.
- Los dispositivos E/S ACS pueden tener un nombre diferente de herramienta de control, un nombre diferente de la unidad, y diferentes límites superior e inferior dependiendo de la configuración.

## Detalla los controles para cada dispositivo

- ➔ Unidad exterior
- ➔ Int.  
Unidad interior (conjunto de dos)
- ➔ ERV
- ➔ ERV DX
- ➔ Ventilación montada en el suelo
- ➔ Heating
- ➔ AHU
- ➔ Enfriadora scroll
- ➔ Enfriadora de tornillo
- ➔ Enfriadora turbo
- ➔ Mini enfriadora scroll
- ➔ Enfriadora de absorción
- ➔ DOKIT
- ➔ DO
- ➔ AO
- ➔ Purificador de aire

Unidad exterior



Categoría	Contenidos
Control de capacidad de unidad exterior	<ul style="list-style-type: none"> <li>Pulse el botón [▼] para configurar la velocidad de funcionamiento del control del volumen (en %)</li> </ul>
Ajuste de Reducción de ruido de refrigerante de unidad exterior	<ul style="list-style-type: none"> <li>Pulse el botón [▲] / [▼] para configurar la etapa de control de carga inteligente (0 Nivel, 1 Nivel, 2 Nivel, 3 Nivel, 4 Nivel)</li> </ul>
Modo de ruido bajo	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar] : ajuste/cancelación de la reducción de ruido de la unidad exterior</li> </ul>
Modo de desescarche	<ul style="list-style-type: none"> <li>Pulse el botón [▲] / [▼] para configurar la etapa de funcionamiento del modo de descongelación de la unidad exterior (0 Nivel, 1 Nivel, 2 Nivel, 3 Nivel)</li> </ul>
Ajuste de Reducción de ruido de refrigerante de unidad exterior	<ul style="list-style-type: none"> <li>Pulse el botón [▲] / [▼] para configurar la etapa de funcionamiento del modo de reducción de ruido de refrigerante de la unidad interior (0 Nivel, 1 Nivel, 2 Nivel)</li> </ul>

**Nota**

En el controlador central, si se utiliza "funcionamiento con bajo nivel de ruido de la unidad exterior", en el mando a distancia de la unidad interior instalada, debe establecer [Configuración del instalador] > [Modo de ruido bajo] en 'ODU'.



Int.



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón [ON]: Inicia el funcionamiento del dispositivo</li> <li>• Botón [OFF]: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón [FRIO]: Cambia al modo de refrigeración</li> <li>• Botón [CALOR]: Cambia a modo de calefacción</li> <li>• Botón [Ventilador]: Modo de purificación de aire. Cuando se selecciona la opción Solo viento, no se aplica la temperatura de ajuste al dispositivo.</li> <li>• Botón [DESHU]: Elimina la humedad durante la temporada de lluvias o cuando la humedad es alta. Cuando se selecciona la opción de DesHumidificar, no se aplica la temperatura de ajuste al dispositivo.</li> <li>• Botón [AUTO]: Cambia al modo automático</li> </ul>
Limpieza de aire	<p>Control de limpieza del aire solamente para la unidad interior que admite la función de limpieza de aire</p> <ul style="list-style-type: none"> <li>• Funcionamiento exclusivo de la limpieza de aire             <ol style="list-style-type: none"> <li>1) En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], limpieza de aire solamente con viento (viento automático). (Durante el funcionamiento exclusivo de la función de limpieza de aire, no se comprueban el bloqueo de modo y el bloqueo de cantidad de viento)</li> <li>2) Durante la operación única de limpieza de aire, en caso de presionar el botón [OFF] o limpieza de aire [Limpiar], la limpieza del aire se cancelará, pasando al modo anterior y con la cantidad de viento anterior (No obstante, en caso de modo o control de cantidad de viento en conjunto, el control se realiza con modo y cantidad de viento controlados)</li> </ol> </li> <li>• Operación adicional de limpieza de aire             <ol style="list-style-type: none"> <li>1) En estado de parada de la unidad interior, en caso de presionar el botón [ON] y limpieza de aire [Fijar], en el modo actual, se ejecuta la operación adicional de limpieza de aire</li> <li>2) En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], en el modo actual, se ejecuta la operación</li> </ol> </li> </ul>

	<p>adicional de limpieza de aire</p> <p>3) Durante la operación adicional de limpieza de aire, en caso de presionar el botón <b>[OFF]</b> , se detiene la operación</p> <p>4) Durante la limpieza adicional del aire, en caso de limpieza de aire <b>[Limpiar]</b> , se cancela la limpieza del aire</p>
Fijar Temperatura	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura deseada
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón<b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón<b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>• Botón<b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón<b>[AUTO]</b>: Cambio automático entre<b>[Baja]</b>-<b>[MED]</b>-<b>[Alta]</b></li> </ul>
Swing	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Inicia /detiene la función de rotación automática del ventilador</li> </ul>
Fijar rango Temp.	Cuando el usuario establece la temperatura deseada de forma individual, es imposible ajustar la temperatura deseada fuera del Revés (no ocupado) designada
Ahorro de energía aprendido de encendido/apagado	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación del ahorro energía aprendido</li> </ul>
Ahorro de energía de temperatura	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación de la temperatura para conseguir mayor ahorro energético</li> </ul>
Ajuste de tiempo no ocupado (minutos)	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <p>Establezca el tiempo deseado a 5, 10, 15, 30, 60 o 90 minutos.</p>
Viento directo	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire directo</li> </ul>
Viento indirecto	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire indirecto</li> </ul>
Ahorro de energía cómodo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación de la función de ahorro de energía con entorno agradable</li> <li>• Puede pulsar el botón <b>[▲]</b> / <b>[▼]</b> para configurar el entorno</li> </ul> <p>Solamente se puede activar la función de control de ahorro de energía con entorno agradable cuando la unidad interior está en modo refrigeración</p>
Alarma de sustitución del prefiltro	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del prefiltro, cancela la alarma de sustitución del prefiltro.</li> </ul>
Alarma de sustitución del filtro de polvo fino	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del filtro de polvo fino, cancela la alarma de sustitución del filtro de polvo fino</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>
Bloqueo de modo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el modo con el mando a distancia individual</li> </ul>
Bloqueo del ventilador	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar la Velocidad ventilador con el mando a distancia individual</li> </ul>
Bloq.Temp	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el Fijar Temperatura con el mando a distancia individual</li> </ul>
Cambio modo auto.	<p>Esta función cambia automáticamente al funcionamiento de refrigeración si la temperatura interior alcanza el límite de temperatura superior, y cambia al funcionamiento de calefacción si la temperatura es inferior al límite inferior establecido, y activa el funcionamiento de aire solamente cuando la temperatura esté dentro del límite superior y el límite inferior (esta función solamente funciona con unidades exteriores con función de calefacción/refrigeración)</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Cambio modo auto.</li> </ul>
Temp. inferior/superior	Configuración de Cambio modo auto. para el Revés (no ocupado) inferior y superior
Velocidad del ventilador	<p>Seleccione el valor de la Velocidad ventilador a establecer en la unidad interior durante la operación de Cambio modo auto.</p> <ul style="list-style-type: none"> <li>• Botón<b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón<b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>• Botón<b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón<b>[AUTO]</b>: Cambio automático entre<b>[Baja]</b>-<b>[MED]</b>-<b>[Alta]</b></li> </ul>
Revés	<p>Función para mantener la temperatura del espacio en el que está instalado el dispositivo en cierto límite (función admitida solamente en unidades exteriores de funcionamiento simultáneo del modo de refrigeración/calefacción).</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Revés (no ocupado)</li> </ul>
Temp. inicio frío	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura de inicio del modo refrigeración (21°C~40°C)
Temp. inicio calor	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura de inicio del modo calefacción (1°C~20°C)
Control de calefacción combinada	<p>(compatible solo con determinadas unidades interiores y exteriores)</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control según la temperatura exterior</p>
Modo	<p>Solo se activa cuando el control de calefacción combinada está ajustado.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Automático]</b> : ajusta el modo de control en automático.</li> <li>• Botón <b>[Manual]</b> : ajusta el modo de control en manual.</li> </ul> <p>Puede activar/desactivar el control de la bomba de calor y el calentador. No puede activar/desactivar el control de la bomba de calor y el calentador al mismo tiempo.</p>
Temp. 1	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 1 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <p>Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 1 (-23°C-16°C).</p>
Temp. 2	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 2 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <p>Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 2 (-23°C-51°C).</p>
Bomba de calor	<p>Solo se activa en el modo manual.</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control de la bomba de calor.</p>
Calentador	<p>Solo se activa en el modo manual.</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control del calentador.</p>
Smart Care	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar Smart Care</p>
Control de cooperación	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar el control de cooperación</p>
UVnano	<p>Solo para modo UVnano: unidad interior compatible, modo UVnano: control</p> <p>Botón <b>[Establecer/borrar]</b>: activar / aesactivar UVnano</p>

## Unidad interior (conjunto de dos)

Cuando se usa la función de dos conjuntos que admite unidad exterior/unidad interior/mando a distancia y en [Ajustes] > [Instalando], si el modo automático de Conjunto de dos ACP está seleccionado como **Int.**, aparece la ventana de control de Conjunto de dos en el lateral derecho como se muestra en la siguiente pantalla.



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>Botón [ON]: Inicia el funcionamiento del dispositivo</li> <li>Botón [OFF]: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón [FRIO]: Cambia al modo de refrigeración</li> <li>Botón [CALOR]: Cambia a modo de calefacción</li> <li>Botón [Ventilador]: Modo de purificación de aire. Cuando se selecciona la opción Solo viento, no se aplica la temperatura de ajuste al dispositivo.</li> <li>Botón [DESHU]: Elimina la humedad durante la temporada de lluvias o cuando la humedad es alta. Cuando se selecciona la opción de DesHumidificar, no se aplica la temperatura de ajuste al dispositivo.</li> <li>Botón [AUTO]: Cambia al modo automático</li> </ul>
Limpieza de aire	<p>Control de limpieza del aire solamente para la unidad interior que admite la función de limpieza de aire</p> <ul style="list-style-type: none"> <li>Funcionamiento exclusivo de la limpieza de aire                             <ol style="list-style-type: none"> <li>En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], limpieza de aire solamente con viento (viento automático). (Durante el funcionamiento exclusivo de la función de limpieza de aire, no se comprueban el bloqueo de modo y el bloqueo de cantidad de viento)</li> <li>Durante la operación única de limpieza de aire, en caso de presionar el botón [OFF] o limpieza de aire [Limpiar], la limpieza del aire se cancelará, pasando al modo anterior y con la cantidad de viento anterior (No obstante, en caso de modo o control de cantidad de viento en conjunto, el control se realiza con modo y cantidad de viento controlados)</li> </ol> </li> <li>Operación adicional de limpieza de aire                             <ol style="list-style-type: none"> <li>En estado de parada de la unidad interior, en caso de presionar el botón [ON] y limpieza de aire [Fijar], en el modo actual, se ejecuta la operación adicional de limpieza de aire</li> <li>En estado de parada de la unidad interior, en caso de limpieza de aire [Fijar], en el modo actual, se ejecuta la operación adicional de limpieza de aire</li> <li>Durante la operación adicional de limpieza de aire, en caso de presionar el botón [OFF], se detiene la operación</li> <li>Durante la limpieza adicional del aire, en caso de limpieza de aire [Limpiar], se cancela la limpieza del aire</li> </ol> </li> </ul>
	Función para configurar el espacio como ocupado o vacío con la unidad interior correspondiente

Ocupado	<ul style="list-style-type: none"> <li>• Botón <b>[Ocupado]</b> : espacio ocupado</li> <li>• Botón <b>[Desocupado]</b> : espacio vacío</li> </ul>
Temperatura de ajuste frío	Pulse el botón <b>[▲]/[▼]</b> para configurar la temperatura de ajuste de refrigeración
Temperatura de ajuste calor	Pulse el botón <b>[▲]/[▼]</b> para configurar la temperatura de ajuste de la calefacción
Límites bajo/alto para la temperatura de refrigeración	Configuración de temperatura límite superior e inferior para la refrigeración
Límites bajo/alto para la temperatura de calefacción	Configuración de temperatura límite superior e inferior para la calefacción
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón<b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón<b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>• Botón<b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón<b>[AUTO]</b>: Cambio automático entre<b>[Baja]</b>-<b>[MED]</b>-<b>[Alta]</b></li> </ul>
Swing	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Inicia /detiene la función de rotación automática del ventilador</li> </ul>
Ahorro de energía aprendido de encendido/apagado	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación del ahorro energía aprendido</li> </ul>
Ahorro de energía de temperatura	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : Fijar/Limpiar de la detección de personas, configuración/cancelación de la temperatura para conseguir mayor ahorro energético</li> </ul>
Ajuste de tiempo no ocupado (minutos)	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <p>Establezca el tiempo deseado a 5, 10, 15, 30, 60 o 90 minutos.</p>
Viento directo	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire directo</li> </ul>
Viento indirecto	<p>En caso de unidades interiores que admitan la detección de personas, controla el sistema de detección</p> <ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación del aire indirecto</li> </ul>
Ahorro de energía cómodo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b> : detección de personas, ajuste/cancelación de la función de ahorro de energía con entorno agradable</li> <li>• Puede pulsar el botón <b>[▲]</b> / <b>[▼]</b> para configurar el entorno</li> </ul> <p>Solamente se puede activar la función de control de ahorro de energía con entorno agradable cuando la unidad interior está en modo refrigeración</p>
Alarma de sustitución del prefiltro	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del prefiltro, cancela la alarma de sustitución del prefiltro.</li> </ul>
Alarma de sustitución del filtro de polvo fino	<ul style="list-style-type: none"> <li>• Botón<b>[Limpiar]</b>: Si salta la alarma de sustitución del filtro de polvo fino, cancela la alarma de sustitución del filtro de polvo fino</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>
Bloqueo de modo	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el modo con el mando a distancia individual</li> </ul>
Bloqueo del ventilador	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar la Velocidad ventilador con el mando a distancia individual</li> </ul>
Bloq.Temp	<ul style="list-style-type: none"> <li>• Botón<b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el Fijar Temperatura con el mando a distancia individual</li> </ul>
Control de calefacción combinada	<p>(compatible solo con determinadas unidades interiores y exteriores)</p> <p>Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control según la temperatura exterior</p>
Modo	<p>Solo se activa cuando el control de calefacción combinada está ajustado.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Automático]</b> : ajusta el modo de control en automático.</li> <li>• Botón <b>[Manual]</b> : ajusta el modo de control en manual.</li> </ul> <p>Puede activar/desactivar el control de la bomba de calor y el calentador. No puede activar/desactivar el control de la bomba de calor y el calentador al mismo tiempo.</p>
Temp. 1	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 1 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <ul style="list-style-type: none"> <li>• Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 1 (-23°C-16°C).</li> </ul>
Temp. 2	<p>Solo se activa en el modo automático.</p> <p>Puede ajustar los valores de Temp. 2 para las temperaturas del exterior. La bomba de calor y el calentador funcionan automáticamente según las temperaturas ajustadas.</p> <ul style="list-style-type: none"> <li>• Pulse <b>[▲]/[▼]</b> para ajustar el valor de Temp. 2 (-23°C-51°C).</li> </ul>
Bomba de calor	<p>Solo se activa en el modo manual.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control de la bomba de calor</li> </ul>
Calentador	<p>Solo se activa en el modo manual.</p> <ul style="list-style-type: none"> <li>• Botón <b>[Ajustar/Borrar]</b> : activa/desactiva el control del calentador</li> </ul>
Smart Care	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar Smart Care</p>
Control de cooperación	<p>Solo se activa cuando hay un controlador de IA conectado.</p> <p>Botón <b>[Establecer/borrar]</b>: activar/desactivar el control de cooperación</p>
UVnano	<p>Solo para modo UVnano: unidad interior compatible, modo UVnano: control</p> <p>Botón <b>[Establecer/borrar]</b>: Activar / Desactivar UVnano</p>

## Nota

### 2 Ajustes de Int.

- Solamente se podrán utilizar las funciones con el Modo automático de 2ajustes que admita aire interior y exterior. (Para ver qué dispositivos son compatibles con el Modo automático de 2ajustes, consulte el manual del dispositivo correspondiente).
- Override (anulación) es una función que se puede configurar desde el mando a distancia. Para ver el contenido relacionado con la función de anulación, consulte el manual de instrucciones del mando a distancia.
- En el 2 Ajustes de Int., junto con el icono Auto, se muestra el modo de funcionamiento actual del producto (calefacción, refrigeración).

### Ocupado

- Si el sensor de ocupado está interconectado con la unidad interior, la configuración desde el control central tiene prioridad sobre el sensor de ocupado correspondiente. Para ver la información relacionada con el sensor de ocupado, consulte el manual de la unidad interior o de Dry Contact.
- Al cambiar la configuración de ocupado, la configuración de temperatura de calefacción y temperatura de refrigeración se establecen automáticamente en los valores utilizados más recientemente, y si no se han establecido valores recientemente pasarán a configurarse con los valores predeterminados de fábrica.

(Ejemplo)

09:00 - 12:00: temperatura de ajuste en ocupado de refrigeración 27 ° C / temperatura de ajuste de calefacción en ocupado 18 ° C

12:00 - 13:00: temperatura de ajuste en ocupado de refrigeración 29 ° C / temperatura de ajuste de calefacción en ocupado 16 ° C

13:00 - 15:00: temperatura de ajuste en ocupado de refrigeración 26 ° C / temperatura de ajuste de calefacción en ocupado 19 ° C

Si está el espacio está vacío sin programar después de las 15:00, la temperatura de enfriamiento será de 29 ° C y la temperatura de calefacción será de 16 ° C, y si el espacio está ocupado, la temperatura de refrigeración será 26 ° C y la temperatura de calentamiento será 19 ° C.



VENT\_UNIT\_0A

Control Información

Funcionamiento

ON OFF

Modo

Normal HEX AUTO

Velocidad ventilador

Baja Alta Súper AUTO

Alarma de sustitución del filtro

Limpiar

Rápido

Fijar Limpiar

Drift

Fijar Limpiar

Calefactor

Fijar Limpiar

Bloq.Total

Fijar Limpiar

Aplicar

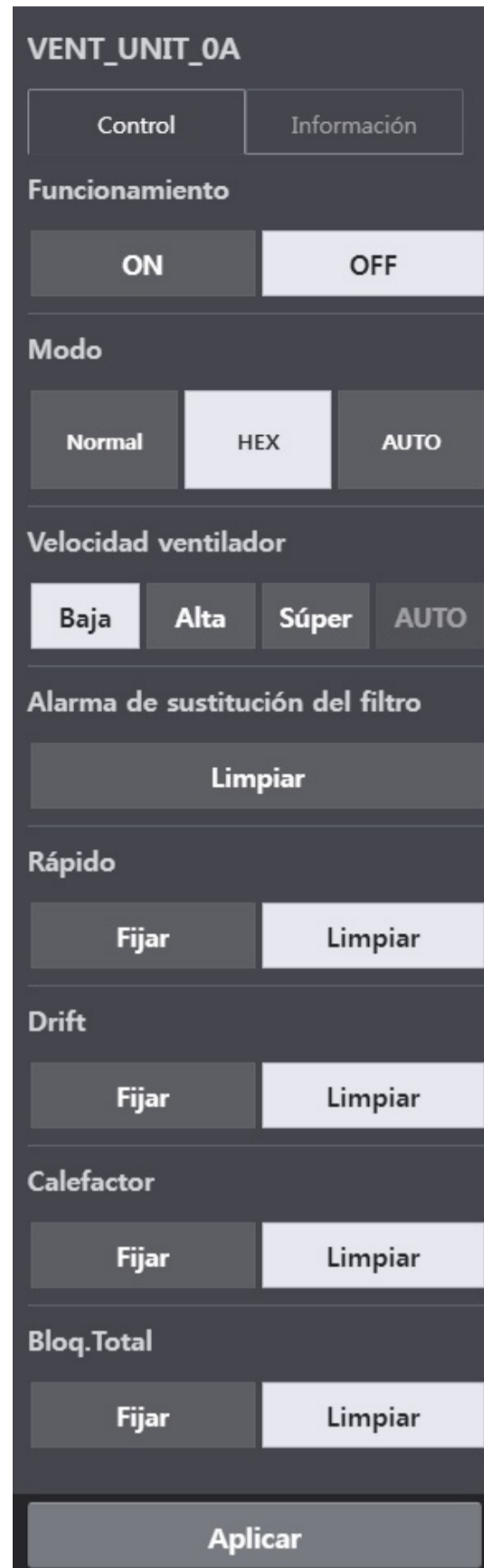
Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón <b>[Normal]</b>: Ventila el aire descargado sin pasar por el intercambiador de calor eléctrico</li> <li>Botón <b>[HEX]</b>: Ventila el aire descargado y el aire de suministro a través del intercambiador de calor eléctrico</li> <li>Botón <b>[AUTO]</b>: Cambia al modo de cuatro estaciones</li> </ul>
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>Botón <b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>Botón <b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>Botón <b>[Súper]</b>: Establece la velocidad del ventilador a la Máxima Velocidad</li> <li>Botón <b>[AUTO]</b>: Cambio automático entre <b>[Baja]</b>-<b>[Alta]</b>-<b>[Súper]</b> <ul style="list-style-type: none"> <li>- El usuario no puede realizar ningún ajuste</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[AUTO]</b></li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[Alta]</b></li> <li>- Durante el funcionamiento <b>[AUTO]</b> , cuando se selecciona <b>[Baja]</b>/<b>[Alta]</b>/<b>[Súper]</b> , se borra el funcionamiento del modo de Drift/Rápido</li> </ul> </li> </ul>
Alarma de sustitución del filtro	<ul style="list-style-type: none"> <li>Botón <b>[Limpiar]</b>: en caso de alarma de sustitución de filtro, cancela la alarma de sustitución de filtro</li> </ul>
Función adicional	<ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b> modo Rápido : Selecciona/desactiva la función Rápido (cuando se selecciona el modo Rápido, se desactiva la función de Drift)</li> <li>Botón <b>[Fijar/Limpiar]</b> modo de Drift : Selecciona/desactiva la función de Drift (cuando se selecciona el modo de Drift, se desactiva la función Rápido)</li> <li>Botón <b>[Fijar/Limpiar]</b> calentador : Selecciona/desactiva la función del calentador</li> </ul>
NTFC	<ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b>: Configura/cancela la función de refrigeración del aire a media noche que activa la refrigeración cuando la temperatura es inferior a la temperatura base a media noche</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>Botón [ON]: Inicia el funcionamiento del dispositivo</li> <li>Botón [OFF]: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón [Normal]: Ventila el aire descargado sin pasar por el intercambiador de calor eléctrico</li> <li>Botón [HEX]: Ventila el aire descargado y el aire de suministro a través del intercambiador de calor eléctrico</li> <li>Botón [AUTO]: Cambia al modo de cuatro estaciones</li> </ul>
Fijar Temperatura	Pulse el botón [▲]/[▼] para seleccionar la temperatura deseada
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>Botón [Baja]: Establece la velocidad del ventilador a velocidad baja</li> <li>Botón [Alta]: Establece la velocidad del ventilador a velocidad alta</li> <li>Botón [Súper]: Establece la velocidad del ventilador a la Máxima Velocidad</li> <li>Botón [AUTO]: Cambio automático entre [Baja]-[Alta]-[Súper]                             <ul style="list-style-type: none"> <li>- El usuario no puede realizar ningún ajuste</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador [AUTO]</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador [Alta]</li> <li>- Durante el funcionamiento [AUTO], cuando se selecciona [Baja]/[Alta]/[Súper], se borra el funcionamiento del modo de Drift/Rápido</li> </ul> </li> </ul>
Co-Aire acondicionado	<ul style="list-style-type: none"> <li>Botón [FRIO]: Controla la ERV DX en el modo de refrigeración</li> <li>Botón [AUTO]: Controla la ERV DX en el modo de auto</li> <li>Botón [CALOR]: Controla la ERV DX como modo de calefacción</li> <li>Botón [OFF]: Detiene el aire acondicionado de la ERV DX</li> </ul>
Fijar rango Temp.	Cuando el usuario establece la temperatura deseada de forma individual, es imposible ajustar la temperatura deseada fuera del Revés (no ocupado) designada
Alarma de sustitución del filtro	<ul style="list-style-type: none"> <li>Botón [Limpiar]: en caso de alarma de sustitución de filtro, cancela la alarma de sustitución de filtro</li> </ul>
Función adicional	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar] modo Rápido : Selecciona/desactiva la función Rápido (cuando se selecciona el modo Rápido, se desactiva la función de Drift)</li> <li>Botón [Fijar/Limpiar] modo de Drift : Selecciona/desactiva la función de Drift (cuando se selecciona el modo de Drift, se desactiva la función Rápido)</li> <li>Botón [Fijar/Limpiar] calentador : Selecciona/desactiva la función del calentador</li> <li>Botón [Fijar] Humidificar: Fijar la función de Humidificar (solamente para el modo de calefacción de aire acondicionado)</li> </ul>
NTFC	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar]: Configura/cancela la función de refrigeración del aire a media noche que activa la refrigeración cuando la temperatura es inferior a la temperatura base a media noche</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>
Bloqueo de modo	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el modo con el mando a distancia individual</li> </ul>
Bloqueo del ventilador	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar la Velocidad ventilador con el mando a distancia individual</li> </ul>
Bloq.Temp	<ul style="list-style-type: none"> <li>Botón [Fijar/Limpiar]: Fijar/Limpiar el Bloqueo total de modo que el usuario no pueda controlar el Fijar Temperatura con el mando a distancia individual</li> </ul>



## Ventilación montada en el suelo



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón <b>[Normal]</b>: Ventila el aire descargado sin pasar por el intercambiador de calor eléctrico</li> <li>• Botón <b>[HEX]</b>: Ventila el aire descargado y el aire de suministro a través del intercambiador de calor eléctrico</li> <li>• Botón <b>[AUTO]</b>: Cambia al modo de cuatro estaciones</li> </ul>
Velocidad ventilador	<p>Ajuste de fuerza del viento</p> <ul style="list-style-type: none"> <li>• Botón <b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>• Botón <b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> <li>• Botón <b>[Súper]</b>: Establece la velocidad del ventilador a la Máxima Velocidad</li> <li>• Botón <b>[AUTO]</b>: Cambio automático entre <b>[Baja]</b>-<b>[Alta]</b>-<b>[Súper]</b> <ul style="list-style-type: none"> <li>- El usuario no puede realizar ningún ajuste</li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[AUTO]</b></li> <li>- Cuando se establece el modo de Drift/Rápido, se selecciona la Velocidad ventilador <b>[Alta]</b></li> <li>- Durante el funcionamiento <b>[AUTO]</b> , cuando se selecciona <b>[Baja]/[Alta]/[Súper]</b> , se borra el funcionamiento del modo de Drift/Rápido</li> </ul> </li> </ul>
Alarma de sustitución del filtro	<ul style="list-style-type: none"> <li>• Botón <b>[Limpiar]</b>: en caso de alarma de sustitución de filtro, cancela la alarma de sustitución de filtro</li> </ul>
Función adicional	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b> modo Rápido : Selecciona/desactiva la función Rápido (cuando se selecciona el modo Rápido, se desactiva la función de Drift)</li> <li>• Botón <b>[Fijar/Limpiar]</b> modo de Drift : Selecciona/desactiva la función de Drift (cuando se selecciona el modo de Drift, se desactiva la función Rápido)</li> <li>• Botón <b>[Fijar/Limpiar]</b> calentador : Selecciona/desactiva la función del calentador</li> </ul>
NTFC	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b>: Configura/cancela la función de refrigeración del aire a media noche que activa la refrigeración cuando la temperatura es inferior a la temperatura base a media noche</li> </ul>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>



## Heating



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>• Botón <b>[FRIO]</b>: Cambia al modo de refrigeración</li> <li>• Botón <b>[CALOR]</b>: Cambia a modo de calefacción</li> <li>• Botón <b>[AUTO]</b>: Cambia al modo automático</li> </ul>
Temperatura de entrada/salida del agua/aire	<p>Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura de entrada/salida del aire/agua</p> <p>Se muestra en base a la temperatura de ajuste seleccionada en <b>[Ajustes]-[Instalando]</b></p> <ul style="list-style-type: none"> <li>• Cuando se selecciona <b>[Entrada/Salida de agua]</b>, se muestra como temperatura de entrada/salida del agua</li> <li>• Cuando se selecciona <b>[Interior]</b>, se muestra como temperatura del aire</li> </ul>
Agua caliente	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento de agua caliente <ul style="list-style-type: none"> <li>- Si se utiliza el modo de agua caliente con el dispositivo en modo de refrigeración o modo automático, el modo correspondiente y agua caliente se mostrarán en el icono de la sección de visualización del contenido</li> <li>- Si se utiliza el agua caliente con el dispositivo parado, se habilita el icono en la sección de visualización de contenidos y se muestra agua caliente</li> </ul> </li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento de agua caliente</li> </ul>
Temperatura de agua caliente	<p>Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura del agua caliente</p>
Bloq.Total	<ul style="list-style-type: none"> <li>• Botón <b>[Fijar/Limpiar]</b>: Fijar/Limpiar el Bloqueo total de modo que el usuario pueda controlar cualquier función con el mando a distancia individual</li> </ul>



## AHU



Categoría	Contenidos
Ver detalles	Pulse el botón <b>[Ver detalles]</b> para verificar la información detallada (no funciona en el móvil)
Funcionamiento	<ul style="list-style-type: none"> <li>Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	<ul style="list-style-type: none"> <li>Botón <b>[FRIO]</b>: Cambia al modo de refrigeración</li> <li>Botón <b>[CALOR]</b>: Cambia a modo de calefacción</li> <li>Botón <b>[Ventilador]</b>: Modo de purificación de aire. Cuando se selecciona el modo Solo viento, no se puede ajustar la temperatura deseada</li> <li>Botón <b>[DESHU]</b>: Elimina la humedad durante la temporada de lluvias o cuando la humedad es alta. Cuando se selecciona el modo DesHumidificar no se puede ajustar la temperatura deseada</li> <li>Botón <b>[Drift]</b>: Operación para encontrar el punto de operación con la mejor eficiencia del sistema de ventilación para disminuir el consumo de energía. Descarga con fluidez el aire interior contaminado al descargar una mayor cantidad de aire que el aire de entrada</li> <li>Botón <b>[Recalentar]</b>: mantiene una temperatura y humedad constantes mientras la función de refrigeración/calefacción se encuentra activa (disponible solo mientras se usa la bobina de recalentamiento de la unidad de gestión del aire)</li> </ul>
Fijar Temperatura	Pulse el botón <b>[▲]/[▼]</b> para seleccionar la temperatura.
Estándar de control del ventilador	<ul style="list-style-type: none"> <li>Botón <b>[Ventilador]</b>: Controla el ventilador en base al estado de Velocidad ventilador</li> <li>Botón <b>[Temperatura]</b>: Controla el ventilador en base al estado de la temperatura</li> <li>Botón <b>[Presión]</b>: Controla el ventilador en base al estado de la presión</li> </ul>
Velocidad ventilador	Solamente aparece cuando el estándar de control del ventilador es la Velocidad ventilador <ul style="list-style-type: none"> <li>Botón <b>[Baja]</b>: Establece la velocidad del ventilador a velocidad baja</li> <li>Botón <b>[MED]</b>: Establece la velocidad del ventilador a velocidad normal</li> <li>Botón <b>[Alta]</b>: Establece la velocidad del ventilador a velocidad alta</li> </ul>
Ventilación automática	Solamente aparece cuando se seleccionan la ventilación automática, o la ventilación/Humidificar automática en la función Adicional durante el registro del dispositivo AHU <ul style="list-style-type: none"> <li>Botón <b>[Seleccionar/Borrar]</b> ventilación automática: Inicia/detiene la ventilación automática</li> </ul>
Fijar CO <sub>2</sub>	Se activa únicamente cuando se configura la función de ventilación automática Pulse el botón <b>[▲]/[▼]</b> para configurar la unidad en 100ppm dentro del rango de 100 ppm ~ 2 000 ppm
Humidificar	Solamente aparece cuando se seleccionan la Humidificar, o la ventilación/Humidificar automática en la función Adicional durante el registro del dispositivo AHU <ul style="list-style-type: none"> <li>Botón <b>[Fijar/Limpiar]</b> Humidificar_: Inicia/detiene la función de Humidificar</li> </ul>
Humedad	Se activa únicamente cuando se configura la función de Humidificar Pulse el botón <b>[▲]/[▼]</b> para seleccionar la humedad deseada
Apertura de compuerta	<ul style="list-style-type: none"> <li>Pulse <b>[Compuerta OA]</b>: Pulse el botón <b>[▲]/[▼]</b> para establecer el valor de apertura de compuerta de la unidad exterior en la unidad de 1 ° dentro del rango 0 ° ~ 90 °.</li> <li>Pulse <b>[Compuerta MIX]</b>: Pulse el botón <b>[▲]/[▼]</b> para establecer el valor de apertura de compuerta del mezclador en la unidad de 1 ° dentro del rango 0 ° ~ 90 °.</li> <li>Pulse <b>[Compuerta EA]</b>: Pulse el botón <b>[▲]/[▼]</b> para establecer el valor de apertura de compuerta de descarga en la unidad de 1 ° dentro del rango 0 ° ~ 90 °.</li> </ul> <p>Cuando configura <b>[Ajustes]-[Ajustes del sistema] Aplicar fórmula apertura de compuerta</b> como configuración, Funciona como Compuerta OA = Compuerta EA, Compuerta OA = Compuerta MIX = 90</p>

## Consulte los detalles en AHU

En la pantalla de control de AHU, puede pulsar el botón **[Ver detalles]** para ver la información detallada.

The screenshot displays the AHU control interface for 'Campus #1'. The main area shows a 3D schematic of the AHU with various components labeled: 'Regulador : 0°', 'EA', 'RA', 'OA', and 'SA'. The schematic includes temperature and humidity sensors (T, H, P) and displays the following data:

- Temperatura 30,0°C, Humedad 0%, CO<sub>2</sub> 0ppm
- Temperatura 30,0°C, Humedad 0%
- Temperatura 30,0°C, Humedad 0%
- Presión estática SA 0Pa, Temperatura 30,0°C, Humedad 0%
- Temperatura 30,0°C

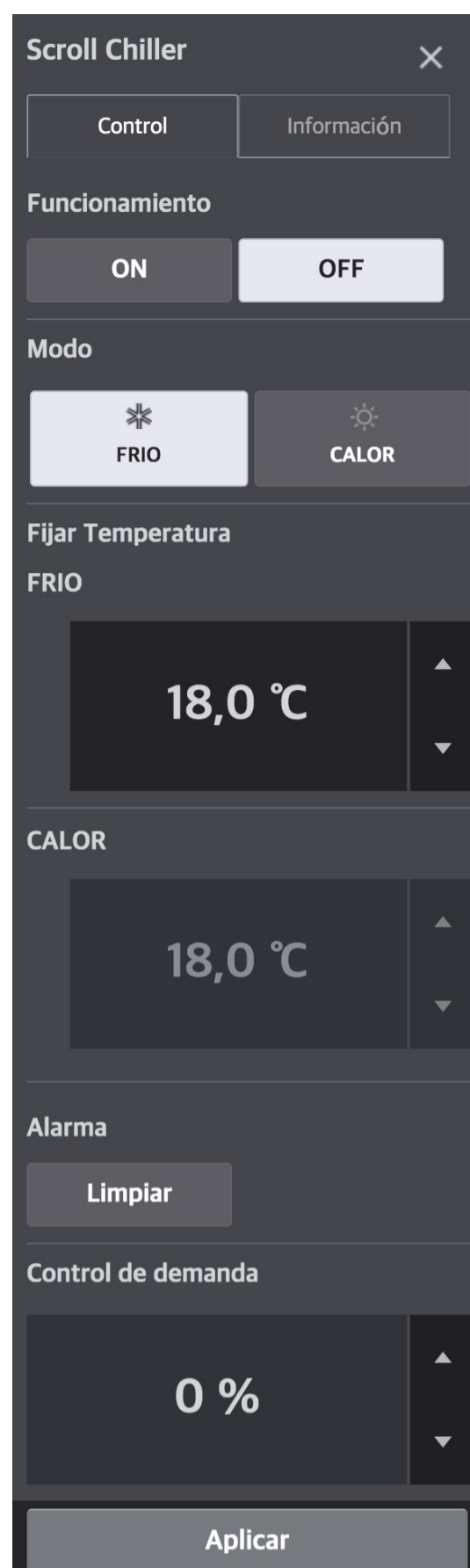
The control panel on the right, titled 'MAHU\_Fresh', includes the following controls:

- Control: Información
- Ver detalles
- Funcionamiento: ON, OFF
- Modo: FRIO, CALOR, VENT., DESHU, Drift
- OA:0 MIX:0 EA:0
- Fijar Temperatura: 18,0 °C
- Estándar de control del ventilador: Ventilador, Temperatura, Presión
- Velocidad ventilador: Baja, MED, Alta
- Ventilación automática: Fijar, Limpiar
- Aplicar

➔ SPLIT DOAS



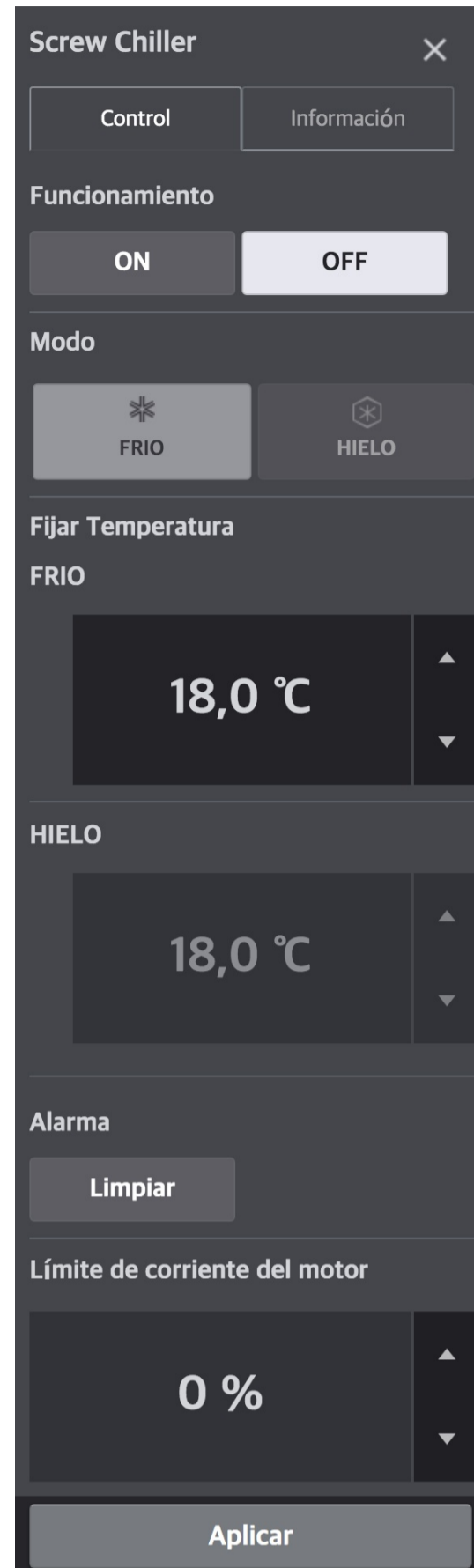
## Enfriadora scroll



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	(Solamente aparece cuando el dispositivo admite el modo correspondiente) <ul style="list-style-type: none"> <li>• Botón <b>[FRIO]</b>: Cambia al modo de refrigeración</li> <li>• Botón <b>[CALOR]</b>: Cambia a modo de calefacción</li> </ul>
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la refrigeración/calefacción interior Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de refrigeración y el modo de calefacción
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Control de demanda	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para establecer el rango del límite de demanda



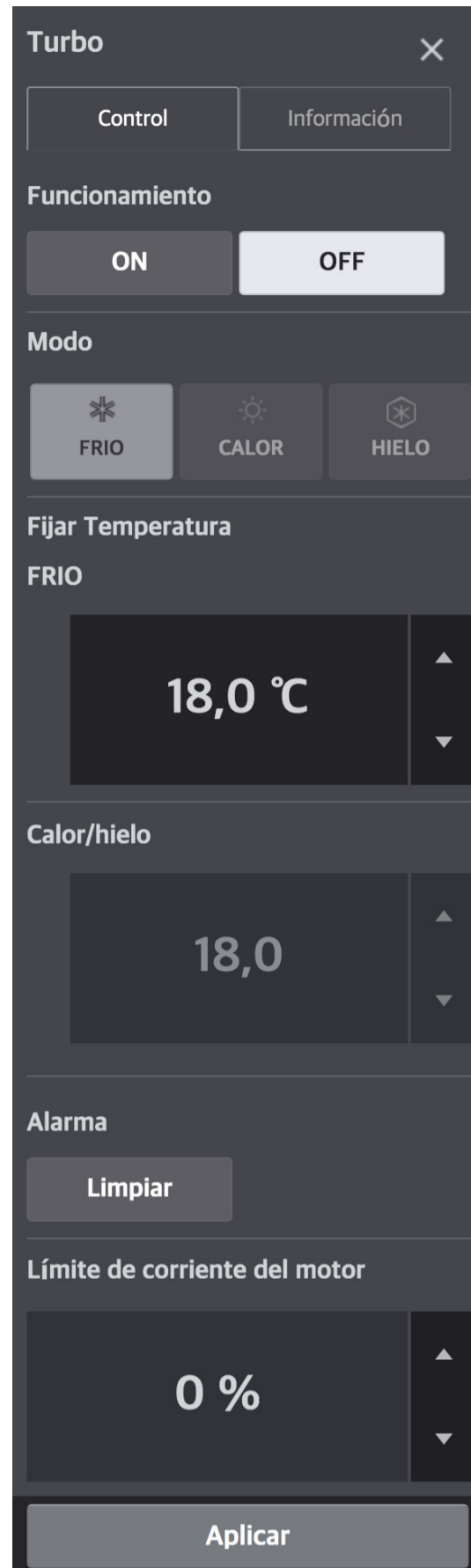
## Enfriadora de tornillo



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	No se puede controlar el Modo. Control de la temperatura de ajuste del Modo controlado
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la refrigeración interior/creación de hielo Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de refrigeración y el modo de creación de hielo
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Límite de corriente del motor	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para seleccionar el rango del límite de corriente del motor



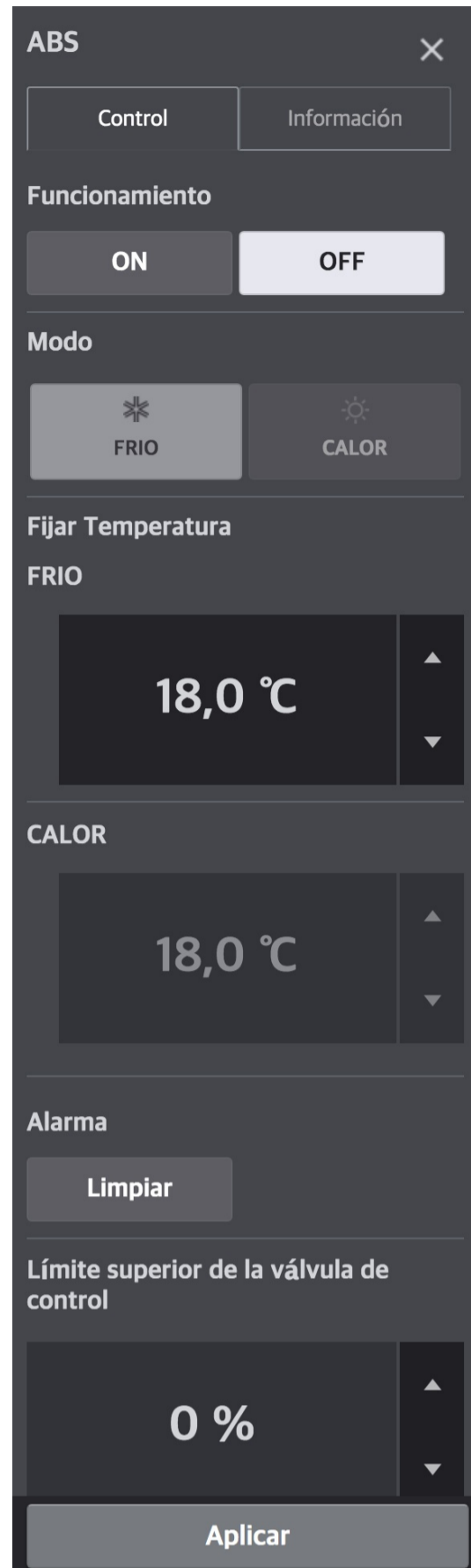
## Enfriadora turbo



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	No se puede controlar el Modo. Control de la temperatura de ajuste del Modo controlado
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la calefacción/refrigeración interior/creación de hielo Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de calefacción, el modo de refrigeración y el modo de creación de hielo
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Límite de corriente del motor	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para seleccionar el rango del límite de corriente del motor



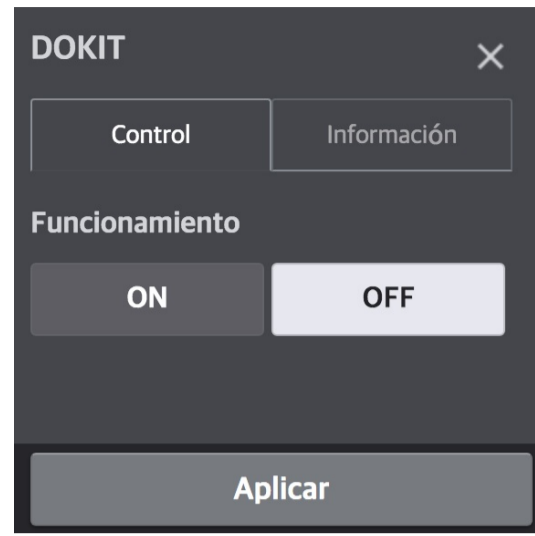
## Enfriadora de absorción



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"> <li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li> <li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li> </ul>
Modo	No se puede controlar el Modo. Control de la temperatura de ajuste del Modo controlado
Fijar Temperatura	Establece la temperatura de salida del agua de carga para la refrigeración/calefacción interior Pulse el botón <b>[▲]</b> / <b>[▼]</b> para ajustar la temperatura del modo de refrigeración y el modo de calefacción
Alarma	Botón <b>[Limpiar]</b> : Elimina la Alarma de durante la alarma de Enfriadora
Límite de control de la válvula de control	Pulse el botón <b>[▲]</b> / <b>[▼]</b> para establecer el rango del límite superior de la válvula de control



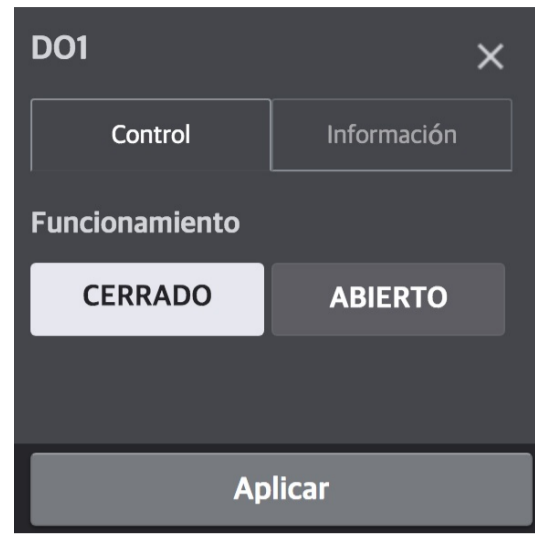
## DOKIT



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"><li>• Botón <b>[ON]</b>: Inicia el funcionamiento del dispositivo</li><li>• Botón <b>[OFF]</b>: Detiene el funcionamiento del dispositivo.</li></ul>



DO



Categoría	Contenidos
Funcionamiento	<ul style="list-style-type: none"><li>• Botón[CERRADO]: Salida de señal de corto circuito</li><li>• Botón[ABIERTO]: Salida de señal de estado abierto</li></ul>



AO



Categoría	Contenidos
Temperatura	Establecer el valor de temperatura

**Nota**

El símbolo de la unidad puede cambiar de acuerdo con el uso configurado durante el registro del dispositivo.



## Información del dispositivo

Al hacer clic en la pestaña información del dispositivo en la pantalla de control del dispositivo, puede ver el la información del dispositivo.

Puede ver la información básica del dispositivo, información del funcionamiento, información de la programación, información de errores y el historial del día actual.

☰ Control de dispositivo

AC\_UNIT\_00

Control Información

Información básica

Nombre  
AC\_UNIT\_00

Dirección  
00

Grupo  
New group

Ext.  
ODU[00]

Modelo  
AC

Capacidad  
3

☰ Control de dispositivo

AC\_UNIT\_00

Control Información

Información básica

Información sobre el funcionamiento

Funcionamiento  
ON

Modo  
AUTO

Temperatura actual  
23,0 °C

Fijar Temperatura  
23,0 °C

Velocidad ventilador  
Alta

Swing

☰ Control de dispositivo

AC\_UNIT\_00

Control Información

Información básica

Información sobre el funcionamiento

Información de la programación (2)

Hora	Descripción
10:00	ON Schedule
19:00	OFF Schedule

Información de error

Historial

☰ Control de dispositivo

AC\_UNIT\_00

Control Información

Información básica

Información sobre el funcionamiento

Información de la programación (2)

Información de error

Error  
Ningún error

Código de error  
0

Descripción del error  
Ningún error

Historial

☰ Control de dispositivo

AC\_UNIT\_00

Control Información

Información básica

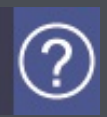
Información sobre el funcionamiento

Información de la programación (2)

Información de error

Historial

Hora	Contenidos
31-07-2018 PM 04:20	Control Modo: AUTO ACS
31-07-2018 PM 04:20	Control Establecer rango de temperatura (límite inferior): 20°C by admin
31-07-2018 PM 04:20	Control Establecer rango de temperatura (límite superior): 28°C by admin
31-07-2018	Control Modo: AUTO



## Control de programación

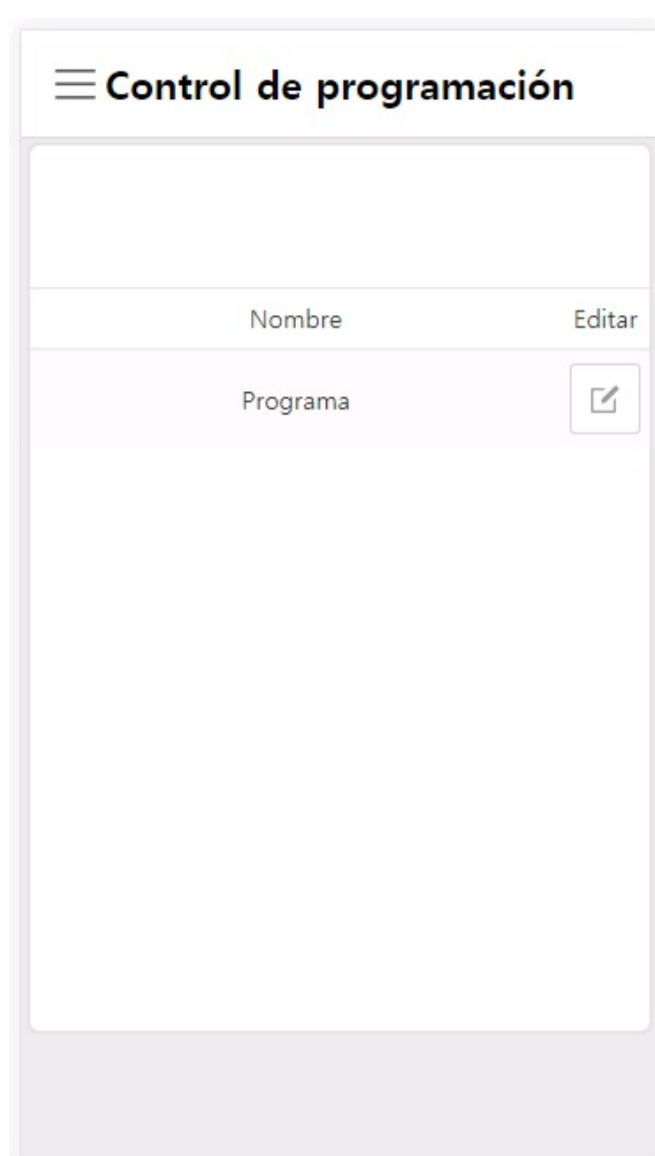
La programación es una función para que el dispositivo realice una operación programada en un momento determinado al designar la operación del dispositivo con anticipación. Cuando se utiliza esta función, el funcionamiento del dispositivo se puede gestionar en la unidad de tiempo de manera eficiente y el efecto sobre el ahorro de energía es excelente.

### [Programar]

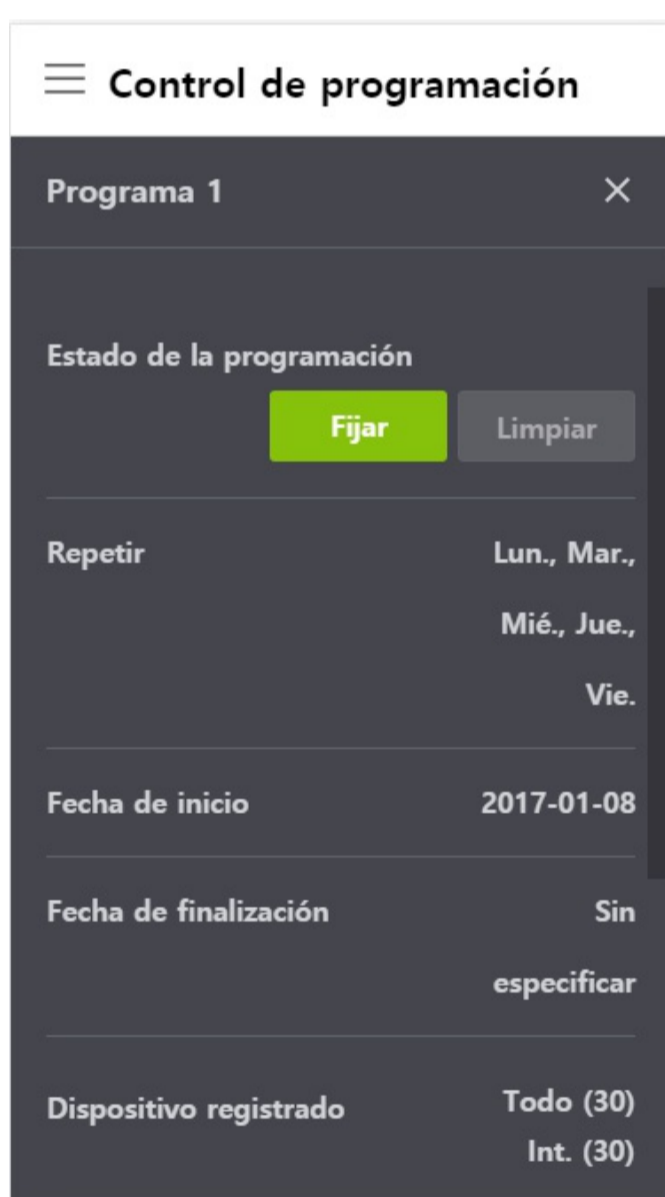
- Comprobación de la programación

## Comprobación de la programación

Puede ver todas las programaciones establecidas.



Al hacer clic en el icono Editar, puede comprobar el contenido detallado de cada programación.





## BACnet/Modbus Protocol

### Guía para autenticación BTL

Tiene que configurar BACnet como tipo C para que los dispositivos funcionen con las opciones que se autentican mediante BTL.

Los tipos de BACnet A y B existen para mantener la compatibilidad con los productos existentes. Si configura BACnet como tipo A o B, los dispositivos pueden usar las opciones no autenticadas mediante BTL, lo que hará que funcionen de modo distinto al estándar.

Para acceder a los ajustes del tipo de BACnet, vaya al menú **[Uso(PC)] > [Ajustes de BACnet/Modbus]**.

#### Método de funcionamiento según el tipo de BACnet

- Tipo A: crea varios dispositivos y los objetos se incluyen en el dispositivo de cada equipo. Varios dispositivos responden utilizando la misma dirección MAC para sus direcciones físicas.
- Tipo B: crea varios dispositivos y los objetos se incluyen en el dispositivo de cada equipo. Los dispositivos responden cada uno con una dirección física exclusiva.
- Tipo C: crea un único dispositivo que incluye todos los objetos.

※ **Precaución:** Si cambia el tipo, el número de dispositivo podría cambiarse, por lo que serían necesarias labores de ingeniería adicionales con el BMS.

AC Smart 5 can be linked with the BMS (Building Management System) that supports the BACnet IP/Modbus TCP protocol. The functions that can be controlled or monitored by the BMS vary depending on the protocol.

#### [BACnet]

- Commission
- Object List
- BIBBs
- PICS

#### [Modbus]

- Commission
- Function code
- Register List



### BACnet Commission

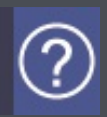
Commissioning is the process of verifying the subsystems to achieve the owner's project requirements as intended by the building owner and as designed by the building architects and engineers.

After AC Smart 5 installation, you can check the operation status of the device by using the web function before connection with the BMS system.

Creating of the Points. This is NOT to be done by LG since it is directly related to the BMS side. The BMS engineer is to carry out the engineering of the Point, however LG is responsible for providing the method of how the Points are calculated.

### Precautions

- To use BACnet feature, you must select **[Settings] > [BACnet/Modbus Setting] > [BACnet enable]** as **Set**.
- In case of installing 2 or more AC Smart 5, you must change **[Settings] > [BACnet/Modbus Setting] > [Device ID Setting]** so that the Device IDs are not duplicate among AC Smart 5. It is recommended that you keep a difference of 10 or more for different Device IDs.
- If Device Discover doesn't work well, change **[Settings] > [BACnet/Modbus Setting] > [BACnet Type Setting]**.
- It is recommended that you request ReadProperty/WriteProperty at an interval of 200 ms or more for each property.
- It is recommended that you request ReadPropertyMultiple/WritePropertyMultiple at an interval of 500 ms or more for each property.
- SubscribeCOV can be registered up to 1024.
- If AC Smart 5 and BMS are located on different networks, BBMD (BACnet/IP Broadcast Management Device) is needed.
- As AC Smart 5 does not support the BBMD function, a separate BBMD is required. You can register AC Smart 5 as a foreign device in BBMD using **[Settings] > [BACnet/Modbus Setting] > [Register as Foreign Device]** function.



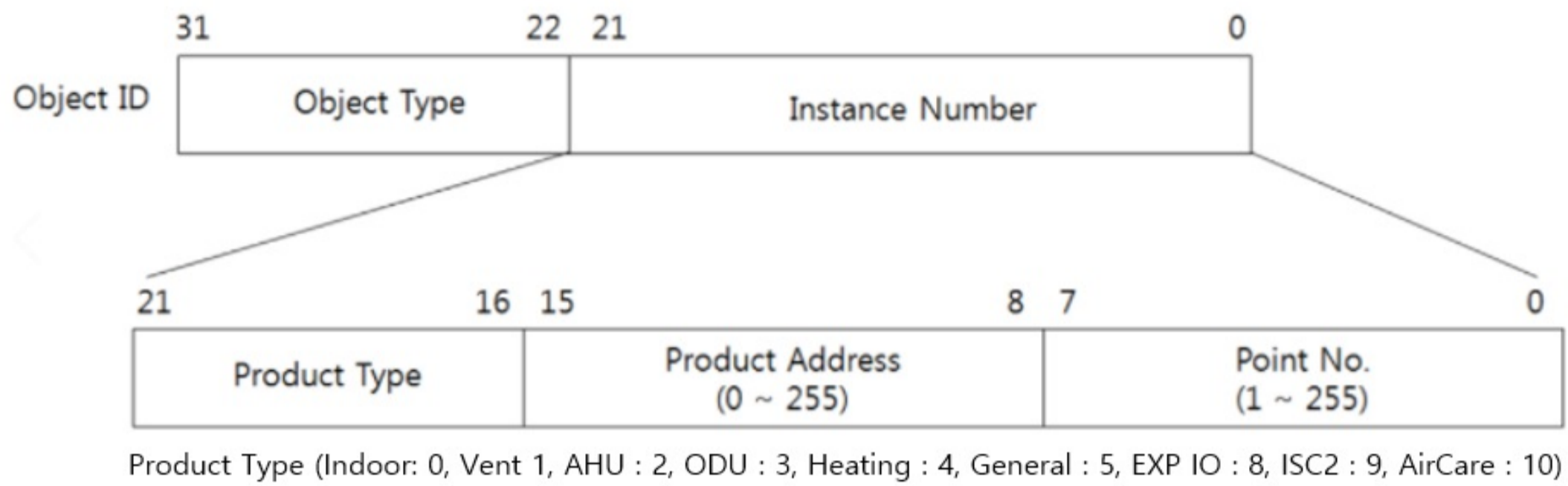
## BACnet Object List

It describes the BACnet object list provided by AC Smart 5.

- Instance Number
- Indoor Unit Object List
- ERV Object List
- AHU Object List
- Outdoor Unit Object List
- Heating Object List
- General Object List
- EXP.I/O object list
- Scroll Chiller(Air Cooling) object list
- Air purifier object list

## Definition of Instance Number

The instance number of each device is assigned as follows



## Example of Instance Number

Description	Product Type	Product Address	Point	Instance Number
IDU Address 0x00, On/Off (Setting)	0	0	1	1
IDU Address 0x00, Operation Mode (Setting)	0	0	7	7
IDU Address 0x1B, On/Off (Setting)	0	27	1	6913
IDU Address 0x1B, Operation Mode (Setting)	0	27	7	6919
ERV Address 0x00, On/Off (Setting)	1	0	1	65537
ERV Address 0x00, Operation Mode (Setting)	1	0	7	65543
ERV Address 0x1B, On/Off (Setting)	1	27	1	72449
ERV Address 0x1B, Operation Mode (Setting)	1	27	7	72455
AHU Address 0x00, On/Off (Setting)	2	0	1	131073
AHU Address 0x00, Operation Mode (Setting)	2	0	7	131079
AHU Address 0x0F, On/Off (Setting)	2	15	1	134913
AHU Address 0x0F, Operation Mode (Setting)	2	15	7	134919
ODU Address 0x00, Compressor Operation	3	0	1	196609
ODU Address 0x00, Operation Mode	3	0	14	196622
ODU Address 0x0F, Compressor Operation	3	15	1	200449
ODU Address 0x0F, Operation Mode	3	15	14	200462
Heating Address 0x00, On/Off (Setting)	4	0	1	262145
Heating Address 0x00, Operation Mode (Setting)	4	0	5	262149
Heating Address 0x0F, On/Off (Setting)	4	15	1	265985
Heating Address 0x0F, Operation Mode (Setting)	4	15	5	265989
Scroll-Air-Inv-Gen2 Address 0x00, On/Off (Setting)	9	0	1	589825
Scroll-Air-Inv-Gen2 Address 0x00, Operation Mode (Setting)	9	0	39	589863
Scroll-Air-Inv-Gen2 Address 0x0F, On/Off (Setting)	9	15	1	595201
Scroll-Air-Inv-Gen2 Address 0x0F, Operation Mode (Setting)	9	15	39	595239
Air purifier Address 0x00, On/Off (Setting)	10	0	1	655361
Air purifier Address 0x00, Operation Mode (Setting)	10	0	5	655365
Air purifier Address 0x0F, On/Off (Setting)	10	15	1	660737
Air purifier Address 0x0F, Operation Mode (Setting)	10	15	5	660741
General Object, All Unit Run/Stop (Setting)	5	0	1	327681
General Object, All Unit Set Room Temperature (Setting)	5	0	2	327682

## Indoor Unit Object List

One Indoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Filter Sign	FilterSign_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
6	Filter Sign reset	FilterSignReset_XXX	BV	-	-	Reset (1)	-	-	-	-	-
7	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Cool (1)	Dry (2)	Fan (3)	Auto (4)	Heat (5)	-
8	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Cool (1)	Dry (2)	Fan (3)	Auto (4)	Heat (5)	-
9	Swing (Setting)	SwingCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
10	Swing (Status)	SwingStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
11	Fan Speed (Setting)	FanSpeedCommand_XXX	MO	-	-	Low (1)	Middle (2)	High (3)	Auto (4)	-	-
12	Fan Speed (Status)	FanSpeedStatus_XXX	MI	-	-	Low (1)	Middle (2)	High (3)	Auto (4)	-	-
13	Set Room Temperature	SetRoomTemp_XXX	AV	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
14	Set Temperature (Status)	RoomTemp_XXX	AI	℃(°F)							
15	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
16	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
17	-	-	-	-							
18	-	-	-	-							
19	Room Temperature	SetTempStatus_XXX	AI	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
20	Accumulated Power Distribution (Status)	Accumulated power(100 Watt)_XXX	AI	100 Watt	Wattage values						
21	-	-	-	-							
22	-	-	-	-							
23	-	-	-	-							
24	-	-	-	-							
25	-	-	-	-							
26	-	-	-	-							
27	Set Upper Temperature (Setting)	TempRangeUpperLimitCommand_XXX	AV	℃(°F)	18 ℃ ~ 30 ℃ (64 °F ~ 86 °F)						
28	Set Upper Temperature (Status)	TempRangeLowerLimitCommand_XXX	AV	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
29	Set Lower Temperature (Setting)	TempRangeUpperLimitStatus_XXX	AI	℃(°F)	18 ℃ ~ 30 ℃ (64 °F ~ 86 °F)						
30	Set Lower Temperature (Status)	TempRangeLowerLimitStatus_XXX	AI	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
31	Mode Lock (Setting)	ModeLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
32	Mode Lock (Status)	ModeLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
33	Fan Lock (Setting)	FanLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
34	Fan Lock (Status)	FanLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
35	Occupancy (Setting)	OccupancyCommand_XXX	BO	-	Unoccupied (0)	Occupied (1)	-	-	-	-	-
36	Occupancy (Status)	OccupancyStatus_XXX	BI	-	Unoccupied (0)	Occupied (1)	-	-	-	-	-
37	2Set Cooling Set Temperature (Setting)	2SetCoolingTempCommand_XXX	AV	℃(°F)	10 ℃ ~ 37.5 ℃ (50 °F ~ 99 °F)						
38	2Set Cooling Set Temperature (Status)	2SetCoolingTempStatus_XXX	AI	℃(°F)	10 ℃ ~ 37.5 ℃ (50 °F ~ 99 °F)						
39	2Set Heating Set Temperature (Setting)	2SetHeatingTempCommand_XXX	AV	℃(°F)	4 ℃ ~ 32 ℃ (40 °F ~ 90 °F)						
40	2Set Heating Set Temperature (Status)	2SetHeatingTempStatus_XXX	AI	℃(°F)	4 ℃ ~ 32 ℃ (40 °F ~ 90 °F)						
41	2Set Cooling Upper Temperature (Setting)	2SetCoolingUpperLimitCommand_XXX	AV	℃(°F)	10 ℃ ~ 37.5 ℃ (50 °F ~ 99 °F)						
42	2Set Cooling Upper Temperature (Status)	2SetCoolingUpperLimitStatus_XXX	AI	℃(°F)	10 ℃ ~ 37.5 ℃ (50 °F ~ 99 °F)						
43	2Set Cooling Lower Temperature	2SetHeatingUpperLimitCommand_XXX	AV	℃(°F)	4 ℃ ~ 32 ℃ (40 °F ~ 90 °F)						

	(Setting)												
44	2Set Cooling Lower Temperature (Status)	2SetHeatingUpperLimitStatus_XXX	AI	℃(°F)	4 ℃ ~ 32 ℃ (40 °F ~ 90 °F)								
45	2Set Heating Upper Temperature (Setting)	2SetCoolingLowerLimitCommand_XXX	AV	℃(°F)	10 ℃ ~ 37.5 ℃ (50 °F ~ 99 °F)								
46	2Set Heating Upper Temperature (Status)	2SetCoolingLowerLimitStatus_XXX	AI	℃(°F)	10 ℃ ~ 37.5 ℃ (50 °F ~ 99 °F)								
47	2Set Heating Lower Temperature (Setting)	2SetHeatingLowerLimitCommand_XXX	AV	℃(°F)	4 ℃ ~ 32 ℃ (40 °F ~ 90 °F)								
48	2Set Heating Lower Temperature (Status)	2SetHeatingLowerLimitStatus_XXX	AI	℃(°F)	4 ℃ ~ 32 ℃ (40 °F ~ 90 °F)								
49	Thermo Status (Status)	ThermoStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-	-	-
50	Accumulated Gas Distribution (Status)	AccumulatedGas(100 Watt)_XXX	AI	100 Liter	Gas values								
51	Dust Sensor Available (Status)	DustSensorAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-	-	-
52	Air Cleaning Operation (Setting)	AirCleaningOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-	-	-
53	Air Cleaning Operation (Status)	AirCleaningOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-	-	-
54	PM10 (Status)	FineDustStatus_XXX	AI	µg/m <sup>3</sup>									
55	PM2.5 (Status)	UltraFineDustStatus_XXX	AI	µg/m <sup>3</sup>									
56	PM1.0 (Status)	SuperUltraFineDustStatus_XXX	AI	µg/m <sup>3</sup>									
57	Humidity (Status)	HumidityStatus_XXX	AI	%									
58	Comfort Cooling Available (Status)	ComfortCoolingAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-	-	-
59	Comfort Cooling Operation (Setting)	ComfortCoolingOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-	-	-
60	Comfort Cooling Operation (Status)	ComfortCoolingOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-	-	-
61	Comfort Cooling Step (Setting)	ComfortCoolingStepCommand_XXX	AV	-	1 step ~ 3 step								
62	Comfort Cooling Step (Status)	ComfortCoolingStepStatus_XXX	AI	-	1 step ~ 3 step								
63	Human Detection Available (Status)	HumanDetectionAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-	-	-
64	Human Detection Operation (Setting)	HumanDetectionOperCommand_XXX	MO	-	-	Stop (1)	OnOffSaving (2)	TempSaving (3)	-	-	-	-	-
65	Human Detection Operation (Status)	HumanDetectionOperStatus_XXX	MI	-	-	Stop (1)	OnOffSaving (2)	TempSaving (3)	-	-	-	-	-
66	Human Detection Wind (Setting)	HumanDetectionWindCommand_XXX	MO	-	-	Stop (1)	Direct (2)	Indirect (3)	-	-	-	-	-
67	Human Detection Wind (Status)	HumanDetectionWindStatus_XXX	MI	-	-	Stop (1)	Direct (2)	Indirect (3)	-	-	-	-	-
68	Human Detection Time (Setting)	HumanDetectionTimeCommand_XXX	MO	-	-	5 min (1)	10 min (2)	15 min (3)	30 min (4)	60 min (5)	90 min (6)	-	-
69	Human Detection Time (Status)	HumanDetectionTimeStatus_XXX	MI	-	-	5 min (1)	10 min (2)	15 min (3)	30 min (4)	60 min (5)	90 min (6)	-	-
70	Hotel Check In (Setting)	HotelCheckinCommand_XXX	BO	-	Check_out (0)	Check_in (1)	-	-	-	-	-	-	-
71	Hotel Mode (Setting)	HotelModeCommand_XXX	MO	-	-	Comfort (1)	Pre_comfort (2)	Economy (3)	-	-	-	-	-

## ERV Object List

One ERV has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Filter Sign	FilterSign_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
6	Filter Sign reset	FilterSignReset_XXX	BV	-	-	Reset (1)	-	-	-	-	-
7	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Heat Exchange (1)	Auto (2)	Normal (3)	-	-	-
8	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Heat Exchange (1)	Auto (2)	Normal (3)	-	-	-
9	-	-	-	-	-						
10	-	-	-	-	-						
11	Fan Speed (Setting)	FanSpeedCommand_XXX	MO	-	-	Low (1)	High (2)	Super High (3)	Auto (4)	-	-
12	Fan Speed (Status)	FanSpeedStatus_XXX	MI	-	-	Low (1)	High (2)	Super High (3)	Auto (4)	-	-
13	Set Room Temperature	SetRoomTemp_XXX	AV	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
14	Set Temperature (Status)	RoomTemp_XXX	AI	℃(°F)							
15	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
16	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
17	User Mode (Setting)	UserModeCommand_XXX	MO	-	-	Quick fresh (1)	Energy saving (2)	Clear (3)	-	-	-
18	User Mode (Status)	UserModeStatus_XXX	MI	-	-	Quick fresh (1)	Energy saving (2)	Clear (3)	-	-	-
19	Room Temperature	SetTempStatus_XXX	AI	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
20	Accumulated Power Distribution (Status)	Accumulated power(100 Watt)_XXX	AI	100 Watt	Wattage values						
21	AC Operation Mode (Setting)	UserModeAcCommand_XXX	MO	-	-	Cool (1)	Auto (2)	Heat (3)	-	-	-
22	AC Operation Mode (Status)	UserModeStatus_XXX	MI	-	-	Cool (1)	Auto (2)	Heat (3)	-	-	-
23	AC ON/OFF (Setting)	UserModeAcCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
24	AC ON/OFF (Status)	UserModeAcStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
25	AC Humidify (Setting)	HumidifierOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
26	AC Humidify (Status)	HumidifierOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
27	Partial Lock Available (Status)	PatialLockAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
28	Set Upper Temperature (Setting)	TempRangeUpperLimitCommand_XXX	AV	℃(°F)	18 ℃ ~ 30 ℃ (64 °F ~ 86 °F)						
29	Set Upper Temperature (Status)	TempRangeLowerLimitCommand_XXX	AV	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
30	Set Lower Temperature (Setting)	TempRangeUpperLimitStatus_XXX	AI	℃(°F)	18 ℃ ~ 30 ℃ (64 °F ~ 86 °F)						
31	Set Lower Temperature (Status)	TempRangeLowerLimitStatus_XXX	AI	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
32	Mode Lock (Setting)	ModeLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
33	Mode Lock (Status)	ModeLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
34	Fan Lock (Setting)	FanLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
35	Fan Lock (Status)	FanLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
36	NTFC Available (Status)	NtfcAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
37	NTFC Operation (Setting)	NtfcOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
38	NTFC Operation (Status)	NtfcOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
39	NTFC Lock (Setting)	NtfcLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
40	NTFC Lock (Status)	NtfcLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
41	Co2 Value	Co2Value_XXX	AI	PPM							

## AHU Object List

One AHU has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Filter Sign	FilterSign_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
6	-	-	-	-	-						
7	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Cool (1)	Dry (2)	Fan (3)	Heat (4)	Energy saving (5)	-
8	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Cool (1)	Dry (2)	Fan (3)	Heat (4)	Energy saving (5)	-
9	-	-	-	-	-						
10	-	-	-	-	-						
11	Fan Speed (Setting)	FanSpeedCommand_XXX	MO	-	-	High (1)	Middle (2)	Low (3)	-	-	-
12	Fan Speed (Status)	FanSpeedStatus_XXX	MI	-	-	High (1)	Middle (2)	Low (3)	-	-	-
13	Set Room Temperature	SetRoomTemp_XXX	AV	℃(°F)	18 ℃ ~ 30 ℃ (64 °F ~ 86 °F)						
14	Set Temperature (Status)	RoomTemp_XXX	AI	℃(°F)							
15	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
16	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
17	-	-	-	-	-						
18	-	-	-	-	-						
19	Room Temperature	SetTempStatus_XXX	AI	℃(°F)	18 ℃ ~ 30 ℃ (64 °F ~ 86 °F)						
20	FireAlarm (Setting)	FireAlarmCommand_XXX	BO	-	Off (0)	On (1)	-	-	-	-	-
21	FireAlarm (Status)	FireAlarmStatus_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
22	Humidity (Setting)	SetHumidityCommand_XXX	AV	%	40 % ~ 60 %						
23	Humidity (Status)	SetHumidityStatus_XXX	AI	%	40 % ~ 60 %						
24	Humidify ON/OFF (Setting)	HumidifyCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
25	Humidify ON/OFF (Status)	HumidifyStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
26	Auto Ventilation ON/OFF (Setting)	AutoVentilCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
27	Auto Ventilation ON/OFF (Status)	AutoVentilStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
28	Supply Unit Temperature (Status)	SupplyTempStatus_XXX	AI	℃(°F)							
29	Outdoor Unit Temperature (Status)	OutdoorTempStatus_XXX	AI	℃(°F)							
30	Mix Unit Temperature (Status)	MixTempStatus_XXX	AI	℃(°F)							
31	Supply Unit Humidity (Status)	SupplyHumidifyStatus_XXX	AI	%							
32	Outdoor Unit Humidity (Status)	OutdoorHumidifyStatus_XXX	AI	%							
33	Ventilation Unit Humidity (Status)	VentilHumidifyStatus_XXX	AI	%							
34	CO2 Value (Status)	CO2ValueStatus_XXX	AI	-	0~255 (Real Value = Value*10, Example : In case Value is 20, CO2 is 20*10=200ppm)						
35	Humidity Unit ON/OFF (Status)	HumidifyUnitStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
36	Heating Unit ON/OFF (Status)	HeaterUnitStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
37	Ventilator FAN ON/OFF (Status)	VentilFanStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
38	Supply Unit FAN ON/OFF (Status)	SupplyFanStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
39	Current OA Damper (Status)	CurrOADamperStatus_XXX	AI	°	0 ° ~ 90 °						
40	Current EA Damper (Status)	CurrEADamperStatus_XXX	AI	°	0 ° ~ 90 °						
41	Current Mix Damper (Status)	CurrMixDamperStatus_XXX	AI	°	0 ° ~ 90 °						
42	Cooling OA Damper (Setting)	OADamperCoolCommand_XXX	AV	°	0 ° ~ 90 °						
43	Cooling OA Damper (Status))	OADamperCoolStatus_XXX	AI	°	0 ° ~ 90 °						
44	Cooling EA Damper (Setting)	EADamperCoolCommand_XXX	AV	°	0 ° ~ 90 °						
45	Cooling EA Damper (Status))	EADamperCoolStatus_XXX	AI	°	0 ° ~ 90 °						
46	Cooling Mix Damper (Setting)	MixDamperCoolCommand_XXX	AV	°	0 ° ~ 90 °						
47	Cooling Mix Damper (Status))	MixDamperCoolStatus_XXX	AI	°	0 ° ~ 90 °						
48	Heating OA Damper (Setting)	OADamperHeatCommand_XXX	AV	°	0 ° ~ 90 °						
49	Heating OA Damper (Status))	OADamperHeatStatus_XXX	AI	°	0 ° ~ 90 °						
50	Heating EA Damper (Setting)	EADamperHeatCommand_XXX	AV	°	0 ° ~ 90 °						
51	Heating EA Damper (Status))	EADamperHeatStatus_XXX	AI	°	0 ° ~ 90 °						
52	Heating Mix Damper (Setting)	MixDamperHeatCommand_XXX	AV	°	0 ° ~ 90 °						
53	Heating Mix Damper (Status))	MixDamperHeatStatus_XXX	AI	°	0 ° ~ 90 °						
54	FAN OA Damper (Setting)	OADamperFanCommand_XXX	AV	°	0 ° ~ 90 °						
55	FAN OA Damper (Status))	OADamperFanStatus_XXX	AI	°	0 ° ~ 90 °						

56	FAN EA Damper (Setting)	EADamperFanCommand_XXX	AV	°	0 ° ~ 90 °
57	FAN EA Damper (Status)	EADamperFanStatus_XXX	AI	°	0 ° ~ 90 °
58	FAN Mix Damper (Setting)	MixDamperFanCommand_XXX	AV	°	0 ° ~ 90 °
59	FAN Mix Damper (Status)	MixDamperFanStatus_XXX	AI	°	0 ° ~ 90 °



## Outdoor unit Object List

One outdoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	Compressor Operation	CompressorOperation_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
2	Refrigerant Type	RefrigerantType_XXX	MI	-	-	R407C (1)	R22 (2)	R410A (3)	-	-	-
3	Fan1 Frequency	Fan1Frequency_XXX	AI	rpm							
4	High Pressure	HighPressure_XXX	AI	kPa							
5	Low Pressure	LowPressure_XXX	AI	kPa							
6	Compressor Suction Temp	CompressorSuctionTemp_XXX	AI	℃(°F)							
7	Liquid Pipe Temp	LiquidPipeTemp_XXX	AI	℃(°F)							
8	Heat Exchange Temp	HeatExchangeTemp_XXX	AI	℃(°F)							
9	Outdoor Unit EEV	OutdoorUnitEEV_XXX	AI	-							
10	Over-cooler EEV	Over-coolerEEV_XXX	AI	-							
11	Hot Gas Valve	HotGasValue_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
12	Inverter Discharge Temp	InverterDischargeTemp_XXX	AI	℃(°F)							
13	Air Temp	AirTemp_XXX	AI	℃(°F)							
14	Operation Mode	OperationMode_XXX	MI	-	-	Stop (1)	Cool (2)	Heat (3)	-	-	-
15	Error Code	ErrorCode_XXX	AI	0~255							
16	Inverter1 Compressor Frequency	Inverter1CompressorFrequency_XXX	AI	rpm							
17	Inverter2 Compressor Frequency	Inverter2CompressorFrequency_XXX	AI	rpm							
18	Fan2 Frequency	Fan2Frequency_XXX	AI	rpm							
19	Inverter2 Discharge Temp	Inverter2DischargeTemp_XXX	AI	℃(°F)							
20	Std1 Discharge Temp	Std1DischargeTemp_XXX	AI	℃(°F)							
21	Std2 Discharge Temp	Std2DischargeTemp_XXX	AI	℃(°F)							
22	Upper Hex Temp	UpperHexTemp_XXX	AI	℃(°F)							
23	Lower Hex Temp	LowerHexTemp_XXX	AI	℃(°F)							
24	Sub Cool Pipe In Temp	SubCoolPipeInTemp_XXX	AI	℃(°F)							
25	Sub Cool Pipe Out Temp	SubCoolPipeOutTemp_XXX	AI	℃(°F)							
26	Sub EEV Pulse	SubEevPulse_XXX	AI	-							
27	Oil Equalizing EEV	OilEqualizingEEV_XXX	AI	-							
28	Vapor Injection EEV1	ViEev1_XXX	AI	-							
29	Vapor Injection EEV2	ViEev2_XXX	AI	-							
30	Inverter1 Heater	Inverter1Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
31	Inverter2 Heater	Inverter2Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
32	Inverter1 Oil Sensor	Inverter1OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
33	Inverter2 Oil Sensor	Inverter2OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
34	Inverter1 Backup	Inverter1Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
35	Inverter2 Backup	Inverter2Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
36	DDC	DDC_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
37	DEFROST	DEFROST_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
38-64	Additional Point for Master Outdoor Unit										
65	(Slave1) Compressor Operation	CompressorOperation_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
66	(Slave1) Refrigerant Type	RefrigerantType_XXX	MI	-	-	R407C (1)	R22 (2)	R410A (3)	-	-	-
67	(Slave1) Fan1 Frequency	Fan1Frequency_XXX	AI	rpm							
68	(Slave1) High Pressure	HighPressure_XXX	AI	kPa							
69	(Slave1) Low Pressure	LowPressure_XXX	AI	kPa							
70	(Slave1) Compressor Suction Temp	CompressorSuctionTemp_XXX	AI	℃(°F)							
71	(Slave1) Liquid Pipe Temp	LiquidPipeTemp_XXX	AI	℃(°F)							
72	(Slave1) Heat Exchange Temp	HeatExchangeTemp_XXX	AI	℃(°F)							
73	(Slave1) Outdoor Unit EEV	OutdoorUnitEEV_XXX	AI	-							
74	(Slave1) Over-cooler EEV	Over-coolerEEV_XXX	AI	-							
75	(Slave1) Hot Gas Valve	HotGasValue_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
76	(Slave1) Inverter Discharge Temp	InverterDischargeTemp_XXX	AI	℃(°F)							
77	(Slave1) Air Temp	AirTemp_XXX	AI	℃(°F)							
78	(Slave1) Operation Mode	OperationMode_XXX	MI	-	-	Stop (1)	Cool	Heat (3)	-	-	-

							(2)					
79	(Slave1) Error Code	ErrorCode_XXX	AI	0~255								
80	(Slave1) Inverter1 Compressor Frequency	Inverter1CompressorFrequency_XXX	AI	rpm								
81	(Slave1) Inverter2 Compressor Frequency	Inverter2CompressorFrequency_XXX	AI	rpm								
82	(Slave1) Fan2 Frequency	Fan2Frequency_XXX	AI	rpm								
83	(Slave1) Inverter2 Discharge Temp	Inverter2DischargeTemp_XXX	AI	℃(°F)								
84	(Slave1) Std1 Discharge Temp	Std1DischargeTemp_XXX	AI	℃(°F)								
85	(Slave1) Std2 Discharge Temp	Std2DischargeTemp_XXX	AI	℃(°F)								
86	(Slave1) Upper Hex Temp	UpperHexTemp_XXX	AI	℃(°F)								
87	(Slave1) Lower Hex Temp	LowerHexTemp_XXX	AI	℃(°F)								
88	(Slave1) Sub Cool Pipe In Temp	SubCoolPipeInTemp_XXX	AI	℃(°F)								
89	(Slave1) Sub Cool Pipe Out Temp	SubCoolPipeOutTemp_XXX	AI	℃(°F)								
90	(Slave1) Sub EEV Pulse	SubEevPulse_XXX	AI	-								
91	(Slave1) Oil Equalizing EEV	OilEqualizingEEV_XXX	AI	-								
92	(Slave1) Vapor Injection EEV1	ViEev1_XXX	AI	-								
93	(Slave1) Vapor Injection EEV2	ViEev2_XXX	AI	-								
94	(Slave1) Inverter1 Heater	Inverter1Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
95	(Slave1) Inverter2 Heater	Inverter2Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
96	(Slave1) Inverter1 Oil Sensor	Inverter1OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-	-
97	(Slave1) Inverter2 Oil Sensor	Inverter2OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-	-
98	(Slave1) Inverter1 Backup	Inverter1Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-	-
99	(Slave1) Inverter2 Backup	Inverter2Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-	-
100	(Slave1) DDC	DDC_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
101	(Slave1) DEFROST	DEFROST_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
102-128	Additional Point for Slave1 Outdoor Unit											
129	(Slave2) Compressor Operation	CompressorOperation_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-	-
130	(Slave2) Refrigerant Type	RefrigerantType_XXX	MI	-	-	R407C (1)	R22 (2)	R410A (3)	-	-	-	-
131	(Slave2) Fan1 Frequency	Fan1Frequency_XXX	AI	rpm								
132	(Slave2) High Pressure	HighPressure_XXX	AI	kPa								
133	(Slave2) Low Pressure	LowPressure_XXX	AI	kPa								
134	(Slave2) Compressor Suction Temp	CompressorSuctionTemp_XXX	AI	℃(°F)								
135	(Slave2) Liquid Pipe Temp	LiquidPipeTemp_XXX	AI	℃(°F)								
136	(Slave2) Heat Exchange Temp	HeatExchangeTemp_XXX	AI	℃(°F)								
137	(Slave2) Outdoor Unit EEV	OutdoorUnitEEV_XXX	AI	-								
138	(Slave2) Over-cooler EEV	Over-coolerEEV_XXX	AI	-								
139	(Slave2) Hot Gas Valve	HotGasValue_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
140	(Slave2) Inverter Discharge Temp	InverterDischargeTemp_XXX	AI	℃(°F)								
141	(Slave2) Air Temp	AirTemp_XXX	AI	℃(°F)								
142	(Slave2) Operation Mode	OperationMode_XXX	MI	-	-	Stop (1)	Cool (2)	Heat (3)	-	-	-	-
143	(Slave2) Error Code	ErrorCode_XXX	AI	0~255								
144	(Slave2) Inverter1 Compressor Frequency	Inverter1CompressorFrequency_XXX	AI	rpm								
145	(Slave2) Inverter2 Compressor Frequency	Inverter2CompressorFrequency_XXX	AI	rpm								
146	(Slave2) Fan2 Frequency	Fan2Frequency_XXX	AI	rpm								
147	(Slave2) Inverter2 Discharge Temp	Inverter2DischargeTemp_XXX	AI	℃(°F)								
148	(Slave2) Std1 Discharge Temp	Std1DischargeTemp_XXX	AI	℃(°F)								
149	(Slave2) Std2 Discharge Temp	Std2DischargeTemp_XXX	AI	℃(°F)								
150	(Slave2) Upper Hex Temp	UpperHexTemp_XXX	AI	℃(°F)								
151	(Slave2) Lower Hex Temp	LowerHexTemp_XXX	AI	℃(°F)								
152	(Slave2) Sub Cool Pipe In Temp	SubCoolPipeInTemp_XXX	AI	℃(°F)								
153	(Slave2) Sub Cool Pipe Out Temp	SubCoolPipeOutTemp_XXX	AI	℃(°F)								
154	(Slave2) Sub EEV Pulse	SubEevPulse_XXX	AI	-								
155	(Slave2) Oil Equalizing EEV	OilEqualizingEEV_XXX	AI	-								
156	(Slave2) Vapor Injection EEV1	ViEev1_XXX	AI	-								
157	(Slave2) Vapor Injection EEV2	ViEev2_XXX	AI	-								
158	(Slave2) Inverter1 Heater	Inverter1Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
159	(Slave2) Inverter2 Heater	Inverter2Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
160	(Slave2) Inverter1 Oil Sensor	Inverter1OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-	-

161	(Slave2) Inverter2 Oil Sensor	Inverter2OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
162	(Slave2) Inverter1 Backup	Inverter1Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
163	(Slave2) Inverter2 Backup	Inverter2Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
164	(Slave2) DDC	DDC_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
165	(Slave2) DEFROST	DEFROST_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
166-192	Additional Point for Slave2 Outdoor Unit										
193	(Slave3) Compressor Operation	CompressorOperation_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
194	(Slave3) Refrigerant Type	RefrigerantType_XXX	MI	-	-	R407C (1)	R22 (2)	R410A (3)	-	-	-
195	(Slave3) Fan1 Frequency	Fan1Frequency_XXX	AI	rpm							
196	(Slave3) High Pressure	HighPressure_XXX	AI	kPa							
197	(Slave3) Low Pressure	LowPressure_XXX	AI	kPa							
198	(Slave3) Compressor Suction Temp	CompressorSuctionTemp_XXX	AI	℃(°F)							
199	(Slave3) Liquid Pipe Temp	LiquidPipeTemp_XXX	AI	℃(°F)							
200	(Slave3) Heat Exchange Temp	HeatExchangeTemp_XXX	AI	℃(°F)							
201	(Slave3) Outdoor Unit EEV	OutdoorUnitEEV_XXX	AI	-							
202	(Slave3) Over-cooler EEV	Over-coolerEEV_XXX	AI	-							
203	(Slave3) Hot Gas Valve	HotGasValue_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
204	(Slave3) Inverter Discharge Temp	InverterDischargeTemp_XXX	AI	℃(°F)							
205	(Slave3) Air Temp	AirTemp_XXX	AI	℃(°F)							
206	(Slave3) Operation Mode	OperationMode_XXX	MI	-	-	Stop (1)	Cool (2)	Heat (3)	-	-	-
207	(Slave3) Error Code	ErrorCode_XXX	AI	0~255							
208	(Slave3) Inverter1 Compressor Frequency	Inverter1CompressorFrequency_XXX	AI	rpm							
209	(Slave3) Inverter2 Compressor Frequency	Inverter2CompressorFrequency_XXX	AI	rpm							
210	(Slave3) Fan2 Frequency	Fan2Frequency_XXX	AI	rpm							
211	(Slave3) Inverter2 Discharge Temp	Inverter2DischargeTemp_XXX	AI	℃(°F)							
212	(Slave3) Std1 Discharge Temp	Std1DischargeTemp_XXX	AI	℃(°F)							
213	(Slave3) Std2 Discharge Temp	Std2DischargeTemp_XXX	AI	℃(°F)							
214	(Slave3) Upper Hex Temp	UpperHexTemp_XXX	AI	℃(°F)							
215	(Slave3) Lower Hex Temp	LowerHexTemp_XXX	AI	℃(°F)							
216	(Slave3) Sub Cool Pipe In Temp	SubCoolPipeInTemp_XXX	AI	℃(°F)							
217	(Slave3) Sub Cool Pipe Out Temp	SubCoolPipeOutTemp_XXX	AI	℃(°F)							
218	(Slave3) Sub EEV Pulse	SubEevPulse_XXX	AI	-							
219	(Slave3) Oil Equalizing EEV	OilEqualizingEEV_XXX	AI	-							
220	(Slave3) Vapor Injection EEV1	ViEev1_XXX	AI	-							
221	(Slave3) Vapor Injection EEV2	ViEev2_XXX	AI	-							
222	(Slave3) Inverter1 Heater	Inverter1Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
223	(Slave3) Inverter2 Heater	Inverter2Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
224	(Slave3) Inverter1 Oil Sensor	Inverter1OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
225	(Slave3) Inverter2 Oil Sensor	Inverter2OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
226	(Slave3) Inverter1 Backup	Inverter1Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
227	(Slave3) Inverter2 Backup	Inverter2Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
228	(Slave3) DDC	DDC_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
229	(Slave3) DEFROST	DEFROST_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
230-256	Additional Point for Slave3 Outdoor Unit										

## Heating Object List

One Heating has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Cool (1)	Heat (2)	Auto (3)	-	-	-
6	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Cool (1)	Heat (2)	Auto (3)	-	-	-
7	Set Room Temperature (Setting)	SetRoomTempCommand_XXX	AV	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
8	Set Room Temperature (Status)	SetRoomTempStatus_XXX	AI	℃(°F)	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
9	Set Hot Water Temperature (Setting)	SetHotWaterTempCommand_XXX	AV	℃(°F)	30 ℃ ~ 80 ℃ (86 °F ~ 176 °F)						
10	Set Hot Water Temperature (Status)	SetHotWaterTempStatus_XXX	AI	℃(°F)	30 ℃ ~ 80 ℃ (86 °F ~ 176 °F)						
11	Set PipeOut Water Temperature (Setting)	SetPipeOutWaterTempCommand_XXX	AV	℃(°F)	6 ℃ ~ 80 ℃ (42 °F ~ 176 °F)						
12	Set PipeOut Water Temperature (Status)	SetPipeOutWaterTempStatus_XXX	AI	℃(°F)	6 ℃ ~ 80 ℃ (42 °F ~ 176 °F)						
13	Setting Temperature Reference (Air/Water)	AirWaterFlag_XXX	BI	-	Air (0)	Water (1)	-	-	-	-	-
14	Hot Water Only Mode	HotWaterOnlyFlag_XXX	BI	-	Normal (0)	Hot Water Only (1)	-	-	-	-	-
15	Set Temperature (Status)	RoomTemp_XXX	AI	℃(°F)							
16	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
17	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
18	HotWater On/Off (Setting)	HotWaterCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
19	HotWater On/Off (Status)	HotWaterStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
20	Pipe Inlet Temperature Status	PipeInTempStatus_XXX	AI	℃(°F)							
21	Water Tank Temperature Status	TankTempStatus_XXX	AI	℃(°F)							
22	Solar Temperature Status	SolarTempStatus_XXX	AI	℃(°F)							
23	Pipe Outlet Temperature tatus	PipeOutTempStatus_XXX	AI	℃(°F)							
24	Accumulated Power Distribution (Status)	Accumulated power(100 Watt)_XXX	AI	100 Watt	Wattage values						



## General Object List

This is the list of BACnet objects provided for the general information. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	All Unit Run/Stop (Setting)	AllStartStopCommand	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	All Unit Set Room Temperature (Setting)	AllSetRoomTempCommand	AV	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
3	All Unit Temperature Lock (Setting)	AllTempLockCommand	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Total Accumulated Power (Status)	TotalAccumulatedPower	AI	100 Watt	Wattage values						
5	Peak Control Operation (Setting)	PeakStartStopCommand	BO	-	Stop (0)	Start (1)	-	-	-	-	-
6	Peak Control Operation (Status)	PeakStartStopStatus	BI	-	Stop (0)	Start (1)	-	-	-	-	-
7	Peak Shift Time(Setting)	PeakShiftTimeCommand	AV	min	5 min ~ 15 min						
8	Peak Shift Time(Status)	PeakShiftTimeStatus	AI	min	5 min ~ 15 min						
9	Peak Target Ratio(Setting)	PeakTargetCommand	AV	%	0 % ~ 100 %						
10	Peak Target Ratio(Status)	PeakTargetStatus	AI	%	0 % ~ 100 %						
11	Peak Current Running Ratio(Status)	PeakCurrentStatus	AI	%	0 % ~ 100 %						
12	Remote Shutdown(Setting)	RemoteShutDownCommand	BO	-	Normal (0)	Shutdown (1)	-	-	-	-	-
13	Temperature Unit Setting (Setting)	TempUnitCommand	BO	-	°C (0)	°F (1)	-	-	-	-	-
14	Temperature Unit Setting (Status)	TempUnitStatus	BI	-	°C (0)	°F (1)	-	-	-	-	-



## Scroll-Air-Inv-Gen2 object list

Scroll-Air-Inv-Gen2 has a point list as shown below. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	Operation_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	Chilled Water Flow Switch	ChilledWaterFlowSwitch_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Chilled Water Pump Output	ChilledWaterPumpOutput_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
4	Chilled Water Pump Output	ChilledWaterPumpInterlock_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
5	Main PCB Version	MainPCB_Version_XXX	AI	-							
6	Total Current Consumption	CurrentConsumption_XXX	AI	-							
7	Outside Air Temp	OutsideAirTemp_XXX	AI	°C(°F)							
8	Chilled Water Leaving Temp	ChilledWaterLeavingTemp_XXX	AI	°C(°F)							
9	Chilled Water Entering Temp	ChilledWaterEnteringTemp_XXX	AI	°C(°F)							
10	Error Cycle	ErrorCycle_XXX	AI	-							
11	Error Code	ErrorCode_XXX	AI	-							
12	Left To Start Time	LeftToStartTime_XXX	AI	sec							
13	Total Operation Time(high)	TotalOperationTime(high)_XXX	AI	min							
14	Total Operation Time(low)	TotalOperationTime(low)_XXX	AI	min							
15	Cycle1_1 Water Leaving Temp	Cycle1_1WaterLeavingTemp_XXX	AI	°C(°F)							
16	Cycle1_2 Water Leaving Temp	Cycle1_2WaterLeavingTemp_XXX	AI	°C(°F)							
17	Cycle1_1 Inverter Comp Freq	Cycle1_1InvCompFreq_XXX	AI	Hz							
18	Cycle1_2 Inverter Comp Freq	Cycle1_2InvCompFreq_XXX	AI	Hz							
19	Cycle1_1 HighPressure	Cycle1_1HighPressure_XXX	AI	kPa							
20	Cycle1_2 HighPressure	Cycle1_2HighPressure_XXX	AI	kPa							
21	Cycle1_1 LowPressure	Cycle1_1LowPressure_XXX	AI	kPa							
22	Cycle1_2 LowPressure	Cycle1_2LowPressure_XXX	AI	kPa							
23	Cycle2_1 Water Leaving Temp	Cycle2_1WaterLeavingTemp_XXX	AI	°C(°F)							
24	Cycle2_2 Water Leaving Temp	Cycle2_2WaterLeavingTemp_XXX	AI	°C(°F)							
25	Cycle2_1 Inverter Comp Freq	Cycle2_1InvCompFreq_XXX	AI	Hz							
26	Cycle2_2 Inverter Comp Freq	Cycle2_2InvCompFreq_XXX	AI	Hz							
27	Cycle2_1 HighPressure	Cycle2_1HighPressure_XXX	AI	kPa							
28	Cycle2_2 HighPressure	Cycle2_2HighPressure_XXX	AI	kPa							
29	Cycle2_1 LowPressure	Cycle2_1LowPressure_XXX	AI	kPa							
30	Cycle2_2 LowPressure	Cycle2_2LowPressure_XXX	AI	kPa							
31	Cycle3_1 Water Leaving Temp	Cycle3_1WaterLeavingTemp_XXX	AI	°C(°F)							
32	Cycle3_2 Water Leaving Temp	Cycle3_2WaterLeavingTemp_XXX	AI	°C(°F)							
33	Cycle3_1 Inverter Comp Freq	Cycle3_1InvCompFreq_XXX	AI	Hz							
34	Cycle3_1 Inverter Comp Freq	Cycle3_2InvCompFreq_XXX	AI	Hz							
35	Cycle3_1 HighPressure	Cycle3_1HighPressure_XXX	AI	kPa							
36	Cycle3_2 HighPressure	Cycle3_2HighPressure_XXX	AI	kPa							
37	Cycle3_1 LowPressure	Cycle3_1LowPressure_XXX	AI	kPa							
38	Cycle3_2 LowPressure	Cycle3_2LowPressure_XXX	AI	kPa							
39	Mode(Setting)	ModeCommand_XXX	MO	-	-	Cool	-	-	-	Heat	-
40	Mode(Status)	ModeStatus_XXX	MI	-	-	Cool	-	-	-	Heat	-
41	Set Cool Water Temp	SetCoolWaterTemp_XXX	AV	°C(°F)							
42	Set Hot Water Temp	SetHotWaterTemp_XXX	AV	°C(°F)							

## BIBBs

BACnet Interoperability Building Blocks

Alarm and Event Management, Scheduling, Trending and Network Security BIBBs are not supported.

## Data Sharing BIBBs

(□:Not supported, ■: Supported)

BIBB Type		Supported	Service	Initiate	Execute
DS-RP-A	Data Sharing-ReadProperty-A	□	ReadProperty	X	
DS-RP-B	Data Sharing-ReadProperty-B	■	ReadProperty		X
DS-RPM-A	Data Sharing-ReadPropertyMultiple-A	□	ReadPropertyMultiple	X	
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B	■	ReadPropertyMultiple		X
DS-RPC-A	Data Sharing-ReadPropertyConditional-A	□	ReadPropertyConditional	X	
DS-RPC-B	Data Sharing-ReadPropertyConditional-B	□	ReadPropertyConditional		X
DS-WP-A	Data Sharing-WriteProperty-A	□	WriteProperty	X	
DS-WP-B	Data Sharing-WriteProperty-B	■	WriteProperty		X
DS-WPM-A	Data Sharing-WritePropertyMultiple-A	□	WritePropertyMultiple	X	
DS-WPM-B	Data Sharing-WritePropertyMultiple-B	■	WritePropertyMultiple		X
DS-COV-A	Data Sharing-Change Of Value-A	□	SubscribeCOV	X	
			ConfirmedCOVNotification		X
			UnconfirmedCOVNotification		X
DS-COV-B	Data Sharing-Change Of Value-B	■	SubscribeCOV		X
			ConfirmedCOVNotification	X	
			UnconfirmedCOVNotification	X	
DS-COVP-A	Data Sharing-Change Of Value Property-A	□	SubscribeCOVProperty	X	
			ConfirmedCOVNotification		X
			UnconfirmedCOVNotification		X
DS-COVP-B	Data Sharing-Change Of Value Property-B	□	SubscribeCOVProperty		X
			ConfirmedCOVNotification	X	
			UnconfirmedCOVNotification	X	
DS-COVU-A	Data Sharing-Change Of Value Unsubscribed-A	□	UnconfirmedCOVNotification		X
DS-COVU-B	Data Sharing-Change Of Value Unsubscribed-B	□	UnconfirmedCOVNotification	X	

## Device and Network Management BIBBs

(□:Not supported, ■: Supported)

BIBB Type		Supported	Service	Initiate	Execute
DM-DDB-A	Device Management-Dynamic Device Binding-A	□	Who-Is	X	
			I-Am		X
DM-DDB-B	Device Management-Dynamic Device Binding-B	■	Who-Is		X
			I-Am	X	
DM-DOB-A	Device Management-Dynamic Object Binding-A	□	Who-Has	X	
			I-Have		X
DM-DOB-B	Device Management-Dynamic Object Binding-B	■	Who-Has		X
			I-Have	X	
DM-DCC-A	Device Management-DeviceCommunicationControl-A	□	DeviceCommunicationControl	X	
DM-DCC-B	Device Management-DeviceCommunicationControl-B	■	DeviceCommunicationControl		X
DM-TS-A	Device Management-TimeSynchronization-A	□	TimeSynchronization	X	
DM-TS-B	Device Management-TimeSynchronization-B	■	TimeSynchronization		X



## PICS

BACnet Protocol Implementation Conformance Statement

### Vendor Name

LG Electronics Inc.

### Product Name

AC Smart 5

### Product Description

This gateway converts between BACnet IP and RS-485 LGAP (LG Aircon protocol) allowing third party control and monitoring of the LG A/C system.

It has a built in web server that does not require any additional software.

### BACnet Standardized Device Profile (Annex L)

BACnet Application Specific Controller (B-ASC)

### Segmentation Capability

Segmented responses supported Window Size - 64

### Standard Object Types Supported

Object-Type	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Device	No	No	Location, Description, Max Segments Accepted, APDU Segment Timeout, Active COV Subscriptions, Profile Name	N/A
Analog Input	No	No	Description, Reliability, Min Pres Value, Max Pres Value, Resolution, COV Increment	N/A
Analog Value	No	No	Description, Reliability, Resolution, COV Increment	Present_Value
Binary Input	No	No	Description, Reliability, Inactive Text, Active Text	N/A
Binary Output	No	No	Description, Reliability, Inactive Text, Active Text	Present_Value
Binary Value	No	No	Description, Reliability, Inactive Text, Active Text	Present_Value
Multi-State Input	No	No	Description, Reliability, State Text	N/A
Multi-State Output	No	No	Description, Reliability, State Text	Present_Value

### Data Link Layer Options

BACnet IP, (Annex J), Foreign Device - IPv4 only, IPv6 not supported

### Device Address Binding

Static device binding is not supported.

### Character Sets Supported

ANSI x 3.4



### Modbus Commission

Commissioning is the process of verifying the subsystems to achieve the owner's project requirements as intended by the building owner and as designed by the building architects and engineers.

After AC Smart 5 installation, you can check the operation status of the device by using the web function before connection with the BMS system.

Creating of the Points. This is NOT to be done by LG since it is directly related to the BMS side. The BMS engineer is to carry out the engineering of the Point, however LG is responsible for providing the method of how the Points are calculated.

### Precautions

- To use the Modbus feature, you must select **[Settings] > [BACnet/Modbus Setting] > [Modbus TCP enable]** as **Set**.
- In case of installing 2 or more AC Smart 5, you must change **[Settings] > [BACnet/Modbus Setting] > [Vnet Number Setting]** so that the Vnet Numbers are not duplicate among AC Smart 5.
- The Vnet number is used as a Slave ID of the Modbus protocol and can be set to a value from 1 to 247.
- The Read Single Coils command (Function Code 1) can read up to 2,000 commands at a time. The Read Holding Registers command (Function Code 3) can read up to 125 at a time.

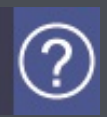


## Supported Function Codes

The Modbus function codes supported by AC Smart 5 are as follows:

Refer to the Register List page for controlled/monitored items supported by each function code.

- 0x01
- 0x03
- 0x05
- 0x06



## Modbus Register List

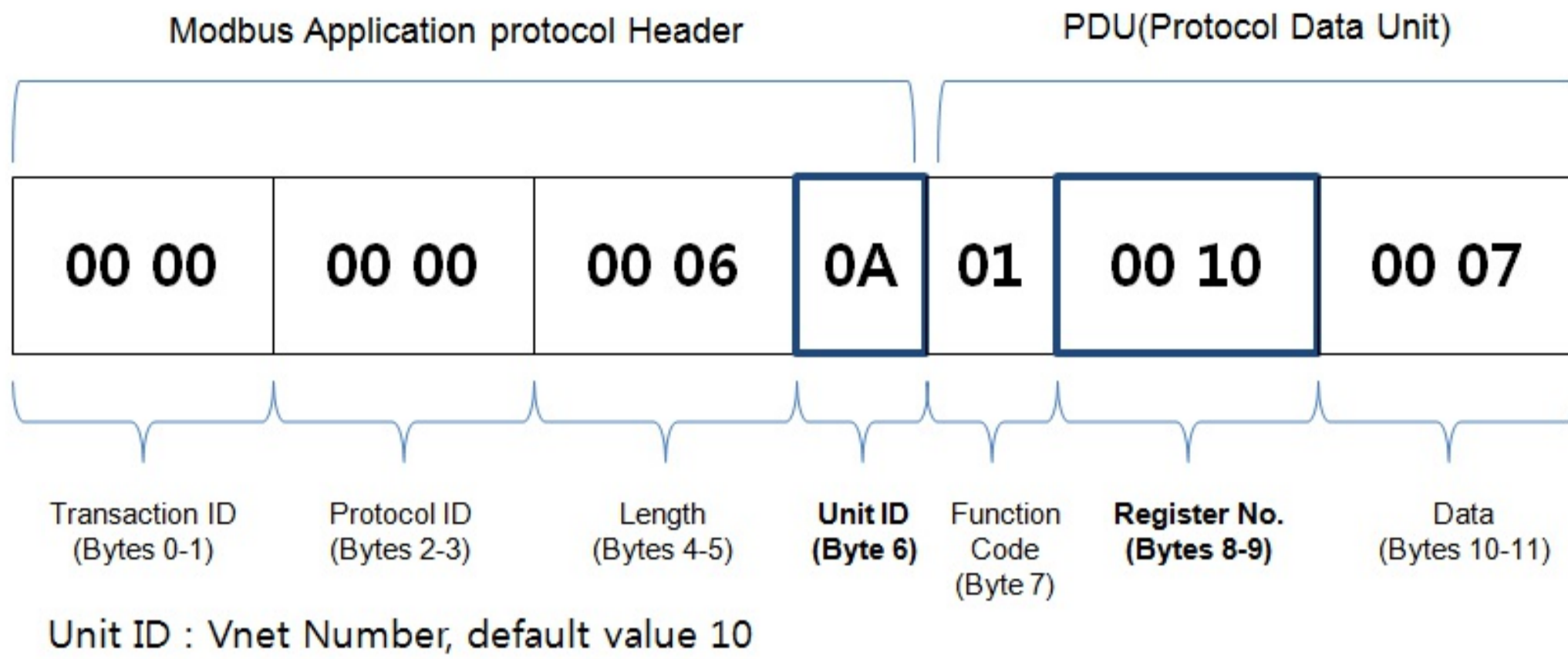
It describes the Modbus Register List provided by AC Smart 5.

- Definition of Register Address
- Indoor Unit Register List
- ERV Register List
- AHU Register List
- Heating Register List

## Definition of Register Address

The Register Address of each device is assigned as follows.

- Protocol Configuration



- Register No.



## Example of Register Address

Description of Register	Product Type (Hexadecimal)	Product Address (Hexadecimal)	Point (Hexadecimal)	Function Code (Hexadecimal)	Register Address (Hexadecimal)
IDU Address 0x00, On/Off	0x0	0x00	0x1	0x1 / 0x5	0x0000
IDU Address 0x00, Operation Mode	0x0	0x00	0x1	0x3 / 0x6	0x0000
IDU Address 0x1B, On/Off	0x0	0x1B	0x1	0x1 / 0x5	0x01B0
IDU Address 0x1B, Operation Mode	0x0	0x1B	0x1	0x3 / 0x6	0x01B0
ERV Address 0x00, On/Off	0x4	0x00	0x1	0x1 / 0x5	0x4000
ERV Address 0x00, Operation Mode	0x4	0x00	0x1	0x3 / 0x6	0x4000
ERV Address 0x1B, On/Off	0x4	0x1B	0x1	0x1 / 0x5	0x41B0
ERV Address 0x1B, Operation Mode	0x4	0x1B	0x1	0x3 / 0x6	0x41B0
AHU Address 0x00, On/Off	0x8	0x00	0x1	0x1 / 0x5	0x8000
AHU Address 0x00, Operation Mode	0x8	0x00	0x1	0x3 / 0x6	0x8000
AHU Address 0x00, Current OA Damper	0x8	0x01	0x1	0x3	0x8010
AHU Address 0x0F, On/Off	0x8	0x1E	0x1	0x1 / 0x5	0x81E0
AHU Address 0x0F, Operation Mode	0x8	0x1E	0x1	0x3 / 0x6	0x81E0
AHU Address 0x0F, Current OA Damper	0x8	0x1F	0x1	0x3	0x81F0
Heating Address 0x00, On/Off	0xC	0x00	0x1	0x1 / 0x5	0xC000
Heating Address 0x00, Operation Mode	0xC	0x00	0x1	0x3 / 0x6	0xC000
Heating Address 0x0F, On/Off	0xC	0x0F	0x1	0x1 / 0x5	0xC0F0
Heating Address 0x0F, Operation Mode	0xC	0x0F	0x1	0x3 / 0x6	0xC0F0



## Indoor Unit Register List

One Indoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Swing	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Mode Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Fan Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
6	Temp Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
7	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Cool (1)	Dry (2)	Fan (3)	Auto (4)	Heat (5)	-
2	Fan Speed	03/06	-	-	Low (1)	Middle (2)	High (3)	Auto (4)	-	-
3	Set Room Temperature	03/06	℃	16 ℃ ~ 30 ℃ (60 ℉ ~ 86 ℉)						
4	Set Upper Temperature	03/06	℃	18 ℃ ~ 30 ℃ (64 ℉ ~ 86 ℉)						
5	Set Lower Temperature	03/06	℃	16 ℃ ~ 30 ℃ (60 ℉ ~ 86 ℉)						
6	Room Temperature	03	℃							
7	Error Code	03	-	Please refer to LG error code list.						
8	Accumulated Power(LOW)	03	-	Accumulated Power Value(100 Watt) = Accumulated Power(HIGH) X 65536 + Accumulated Power(LOW)						
9	Accumulated Power(HIGH)	03	-							
10	Accumulated Gas(LOW)	03	-	Accumulated Gas Value(100 Liter) = Accumulated Gas(HIGH) X 65536 + Accumulated Gas(LOW)						
11	Accumulated Gas(HIGH)	03	-							



## ERV Register List

One Indoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
3	Filter	01/05	-	Off (0)	On (1)	-	-	-	-	-
4	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
5	AC ON/OFF	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
6	AC Humidify	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Heat Exchange (1)	Auto (2)	Normal (3)	-	-	-
2	Fan Speed	03/06	-	-	Low (1)	High (2)	Super High (3)	Auto (4)	-	-
3	User Mode	03/06	-	-	Quick fresh (1)	Energy saving (2)	Clear (3)	-	-	-
4	Error Code	03	-	Please refer to LG error code list.						
5	AC Operation Mode	03/06	-	-	Cool (1)	Auto (2)	Heat (3)	-	-	-
6	Set Room Temperature	03/06	℃	16 ℃ ~ 30 ℃ (60 ℉ ~ 86 ℉)						



## AHU Register List

One AHU has the following list of points. Some points may not be supported depending on the product.

Due to the limited number of points, One AHU device uses two product addresses. Refer to the Definition of Register Address page for the detail information.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
Product Address X 2										
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
3	Filter	01	-	Off (0)	On (1)	-	-	-	-	-
4	FireAlarm	01/05	-	Off (0)	On (1)	-	-	-	-	-
5	Humidity Oper	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
6	Auto Ventilation ON/OFF	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
7	Humidify ON/OFF Status	01	-	Stop (0)	Start (1)	-	-	-	-	-
8	Heater ON/OFF Status	01	-	Stop (0)	Start (1)	-	-	-	-	-
9	Ventilator FAN ON/OFF	01	-	Stop (0)	Start (1)	-	-	-	-	-
10	Supply Unit FAN ON/OFF	01	-	Stop (0)	Start (1)	-	-	-	-	-
11	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Cool (1)	Dry (2)	Fan (3)	Energy saving (4)	Heat (5)	-
2	Set Room Temperature	03/06	℃	16 ℃ ~ 30 ℃ (60 °F ~ 86 °F)						
3	Supply Unit Temperature	03	℃							
4	Outdoor Unit Temperature	03	℃							
5	Ventilation UnitTemperature	03	℃							
6	Mix Unit Temperature	03	℃							
7	Set Humidity	03/06	%	40 % ~ 60 %						
8	Supply Unit Humidity	03	%							
9	Outdoor Unit Humidity	03	%							
10	Ventilation Unit Humidity	03	%							
11	CO2 Value	03	-	0~255 (Real Value = Value*10, Example : In case Value is 20, CO2 is 20*10=200ppm)						
12	Error Code	03	-	Please refer to LG error code list.						
Product Address X 2 + 1										
1	Current OA Damper	03	°							
2	Current EA Damper	03	°							
3	Current Mix Damper	03	°							
4	Cooling OA Damper	03/06	°	0 ° ~ 90 °						
5	Cooling EA Damper	03/06	°	0 ° ~ 90 °						
6	Cooling Mix Damper	03/06	°	0 ° ~ 90 °						
7	Heating OA Damper	03/06	°	0 ° ~ 90 °						
8	Heating EA Damper	03/06	°	0 ° ~ 90 °						
9	Heating Mix Damper	03/06	°	0 ° ~ 90 °						
10	FAN OA Damper	03/06	°	0 ° ~ 90 °						
11	FAN EA Damper	03/06	°	0 ° ~ 90 °						
12	FAN Mix Damper	03/06	°	0 ° ~ 90 °						



## Heating Register List

One Heating has the following list of points. Some points may not be supported depending on the product.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
3	Setting Temperature Reference (Air/Water)	01	-	Air (0)	Water (1)	-	-	-	-	-
4	Set Hot Water Temperature	01	-	Normal (0)	Hot Water Only (1)	-	-	-	-	-
5	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
6	HotWater On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Cool (1)	Heat (2)	Auto (3)	-	-	-
2	Set Room Temperature	03/06	°C	16 °C ~ 30 °C (60 °F ~ 86 °F)						
3	Hot Water Only Mode	03/06	°C	30 °C ~ 80 °C (86 °F ~ 176 °F)						
4	Set PipeOut Water Temperature	03/06	°C	6 °C ~ 80 °C (42 °F ~ 176 °F)						
5	Room Temperature	03	°C							
6	Error Code	03	-	Please refer to LG error code list.						
7	Pipe Inlet Temperature Status	03	°C							
8	Water Tank Temperature Status	03	°C							
9	Solar Temperature Status	03	°C							
10	Pipe Outlet Temperature tatus	03	°C							



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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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- test-apps/\*.c
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Version 2.1, February 1999

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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## OFL-1.1

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